

Fig. 1

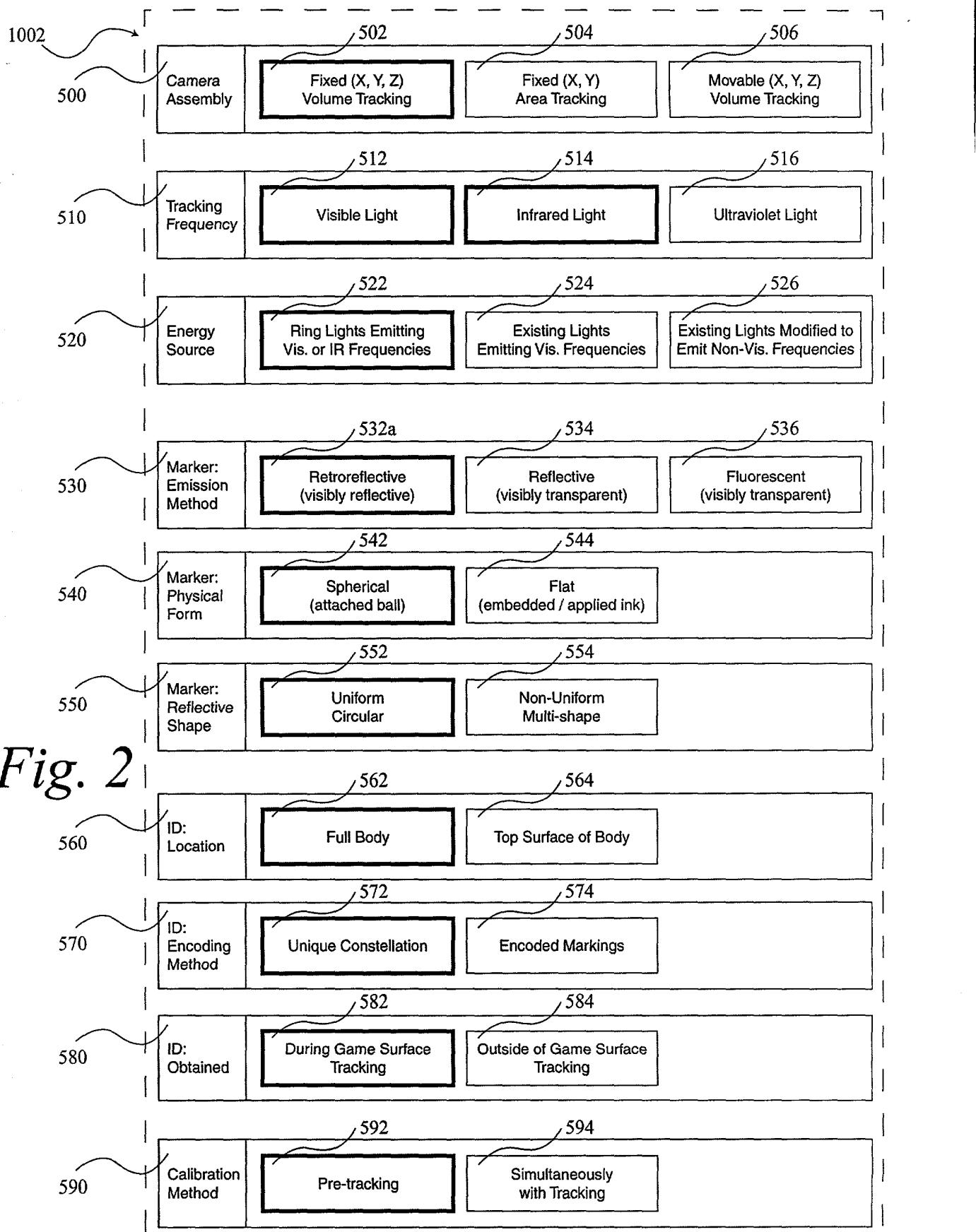
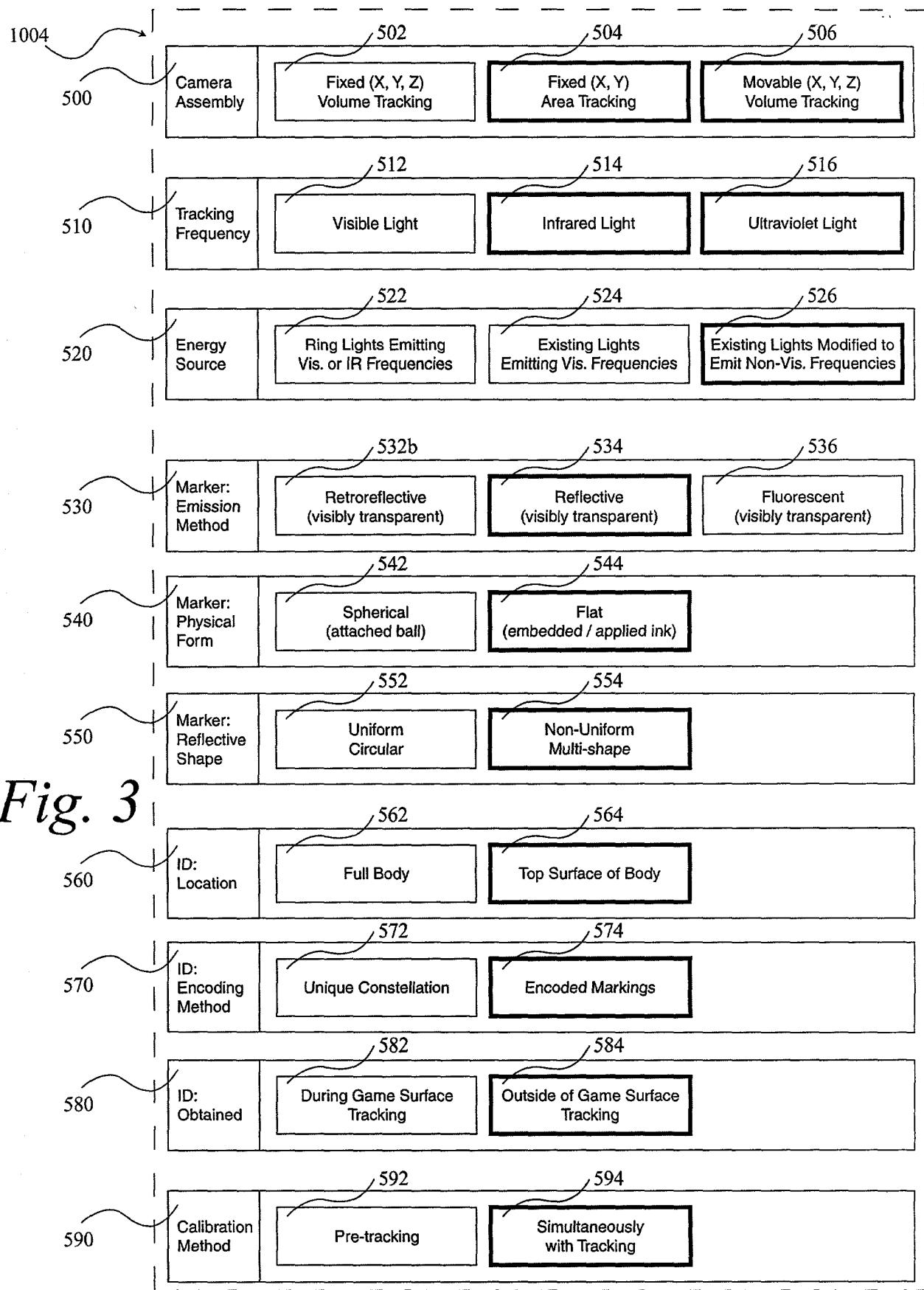


Fig. 2



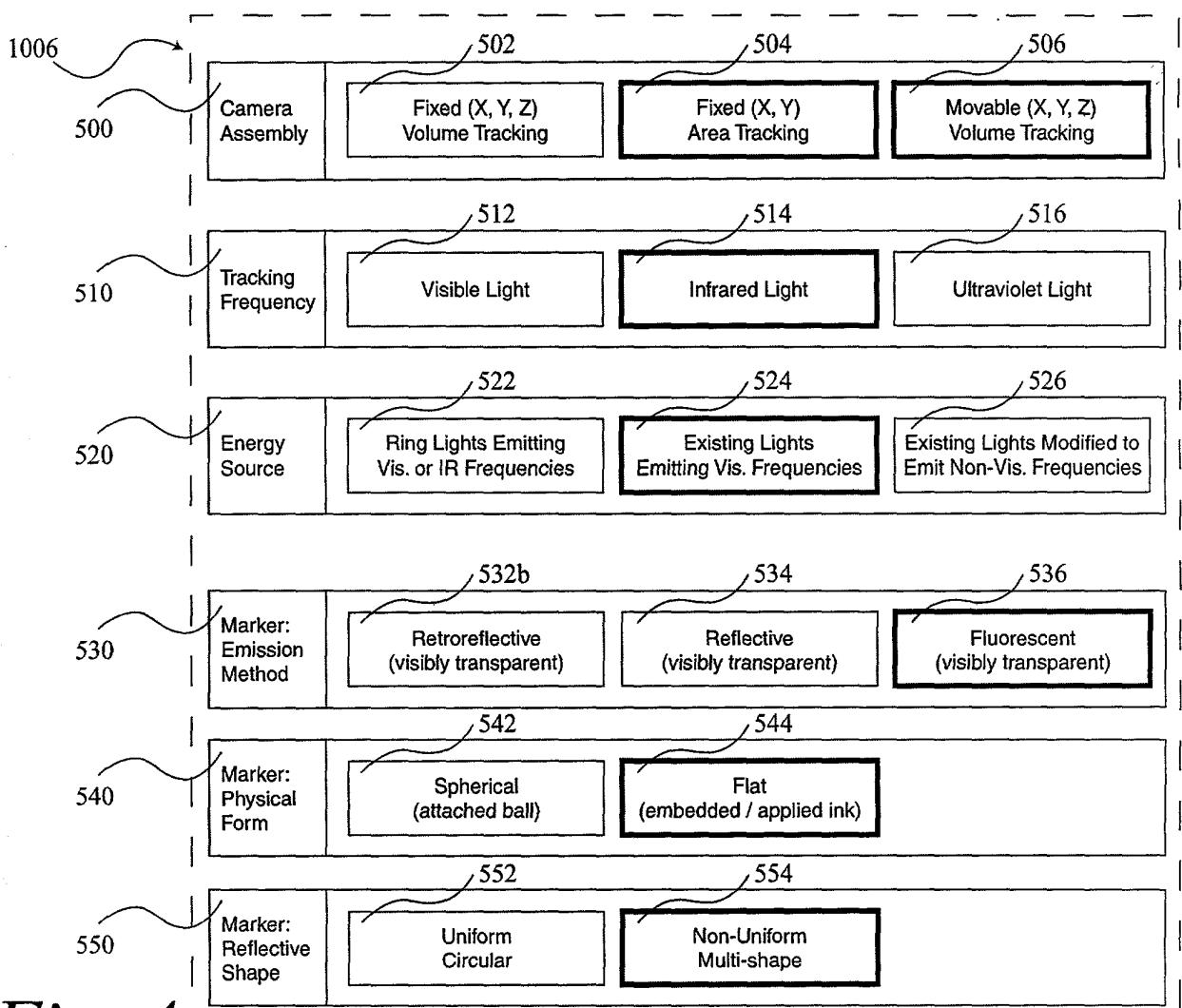
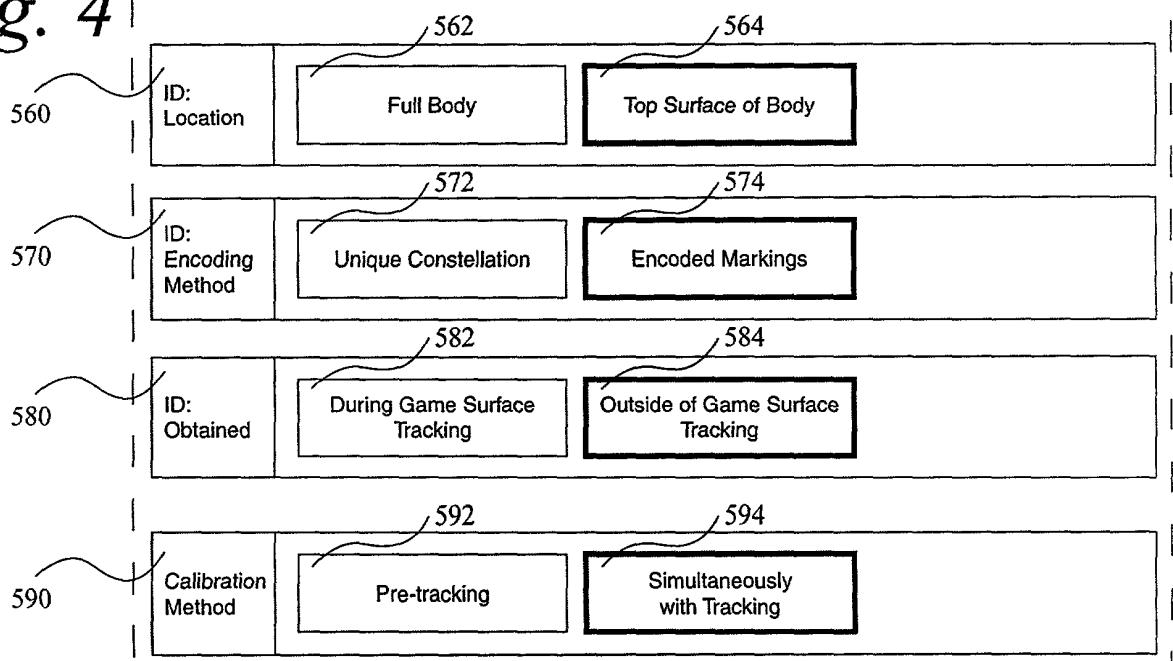


Fig. 4



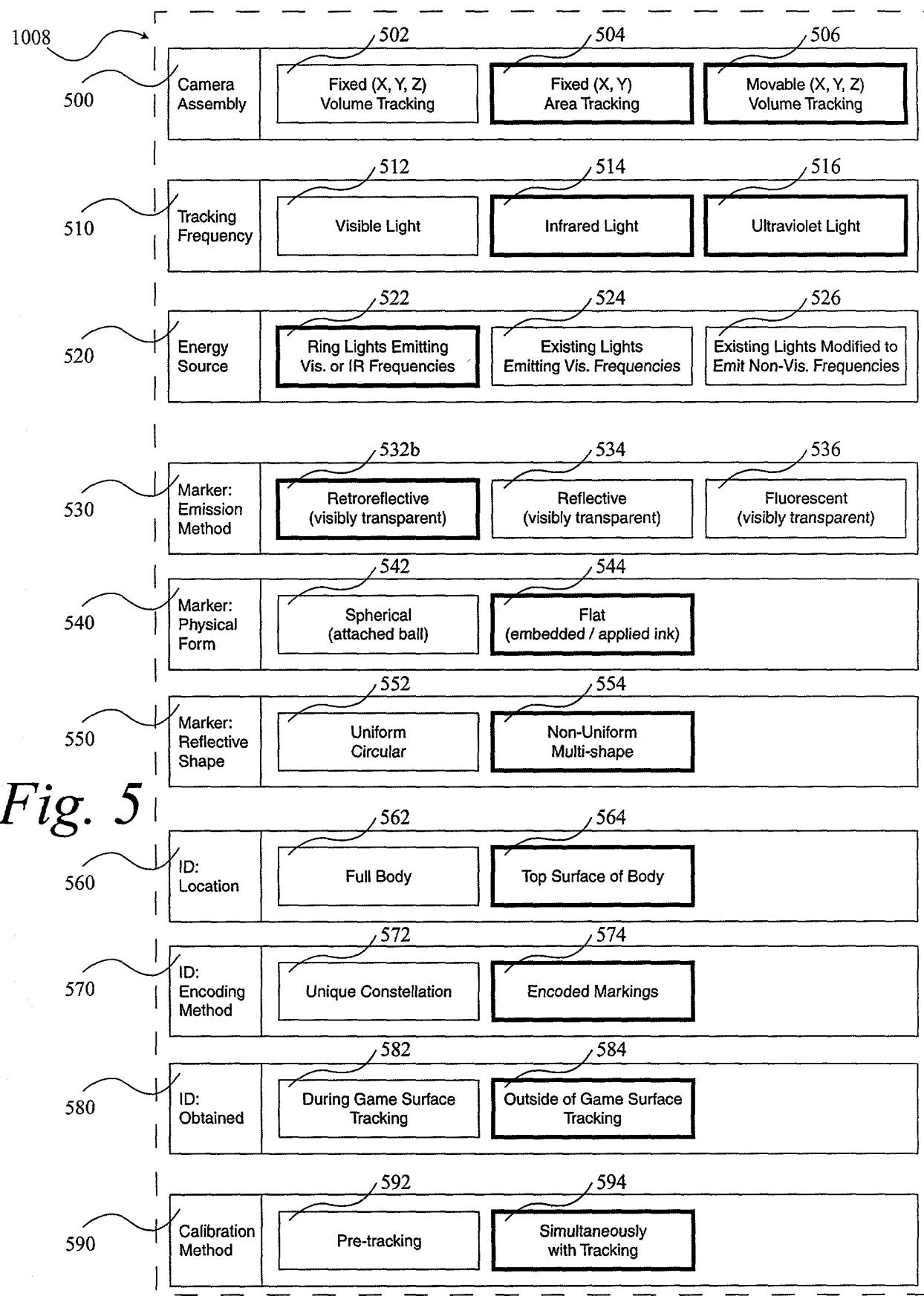


Fig. 5

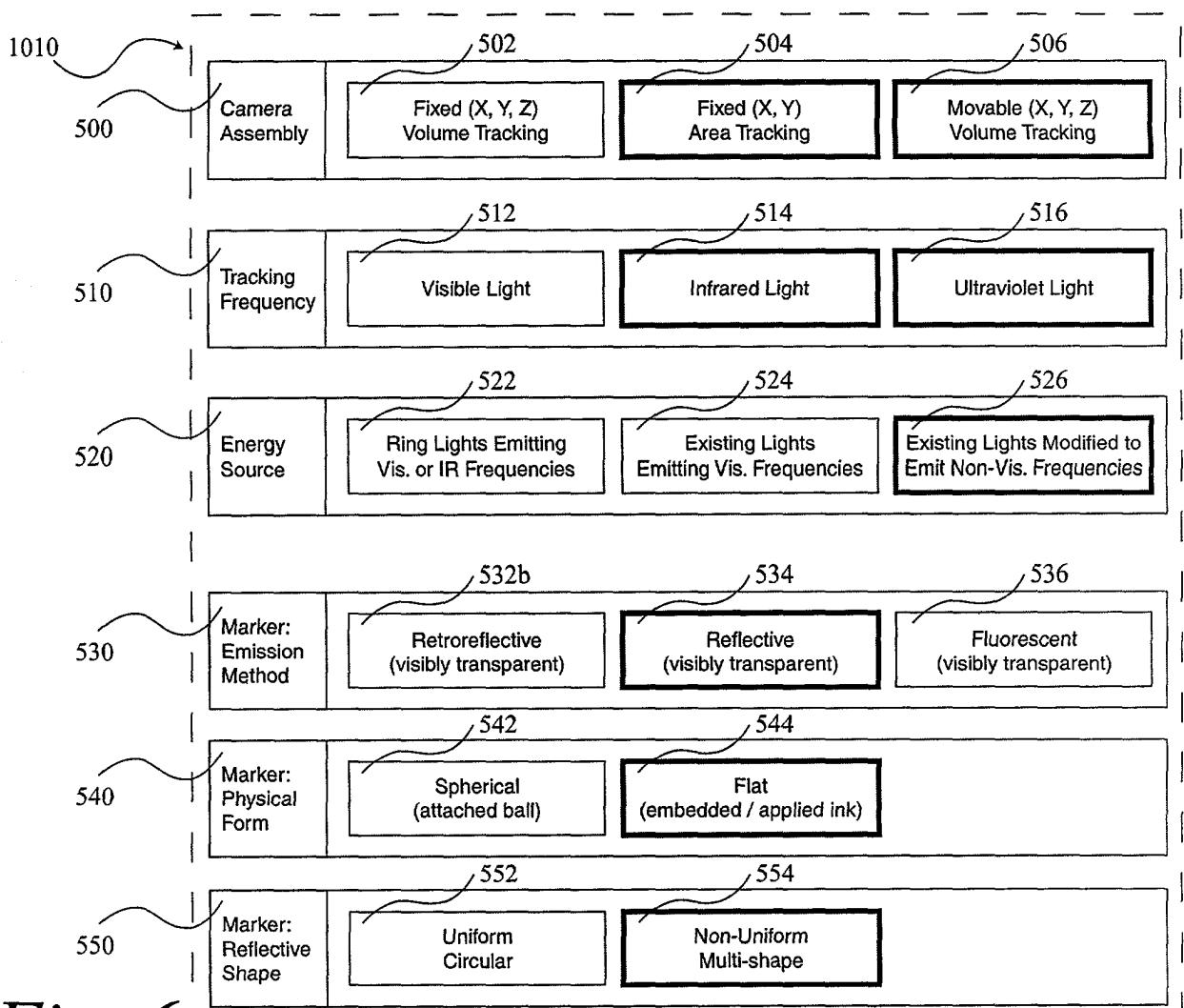
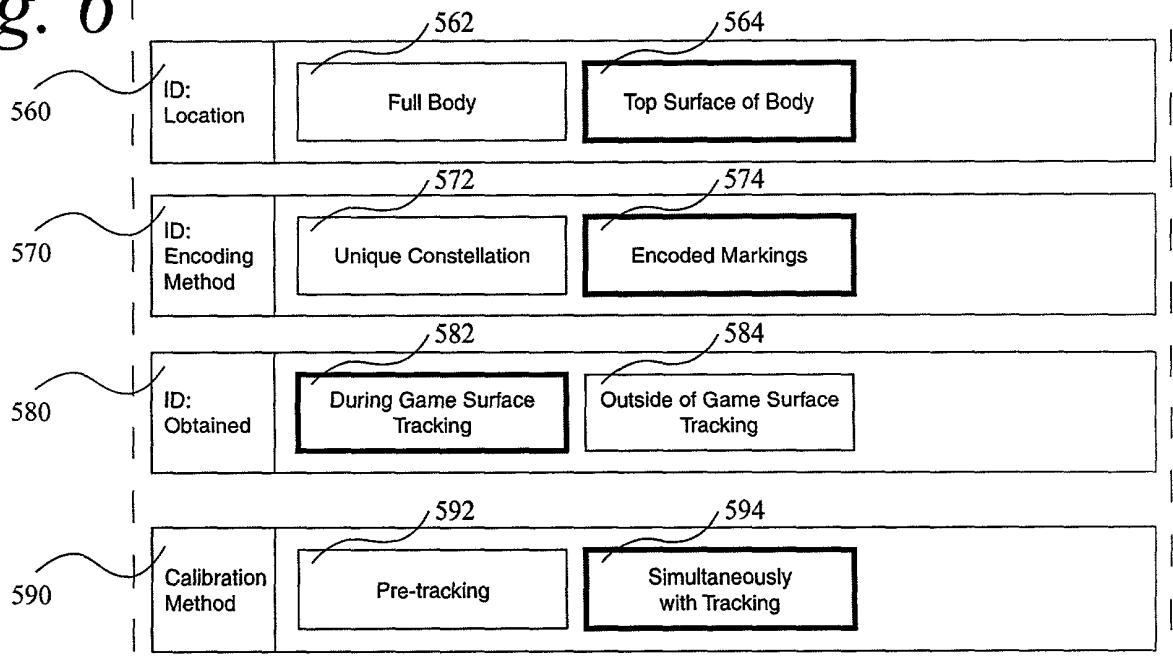
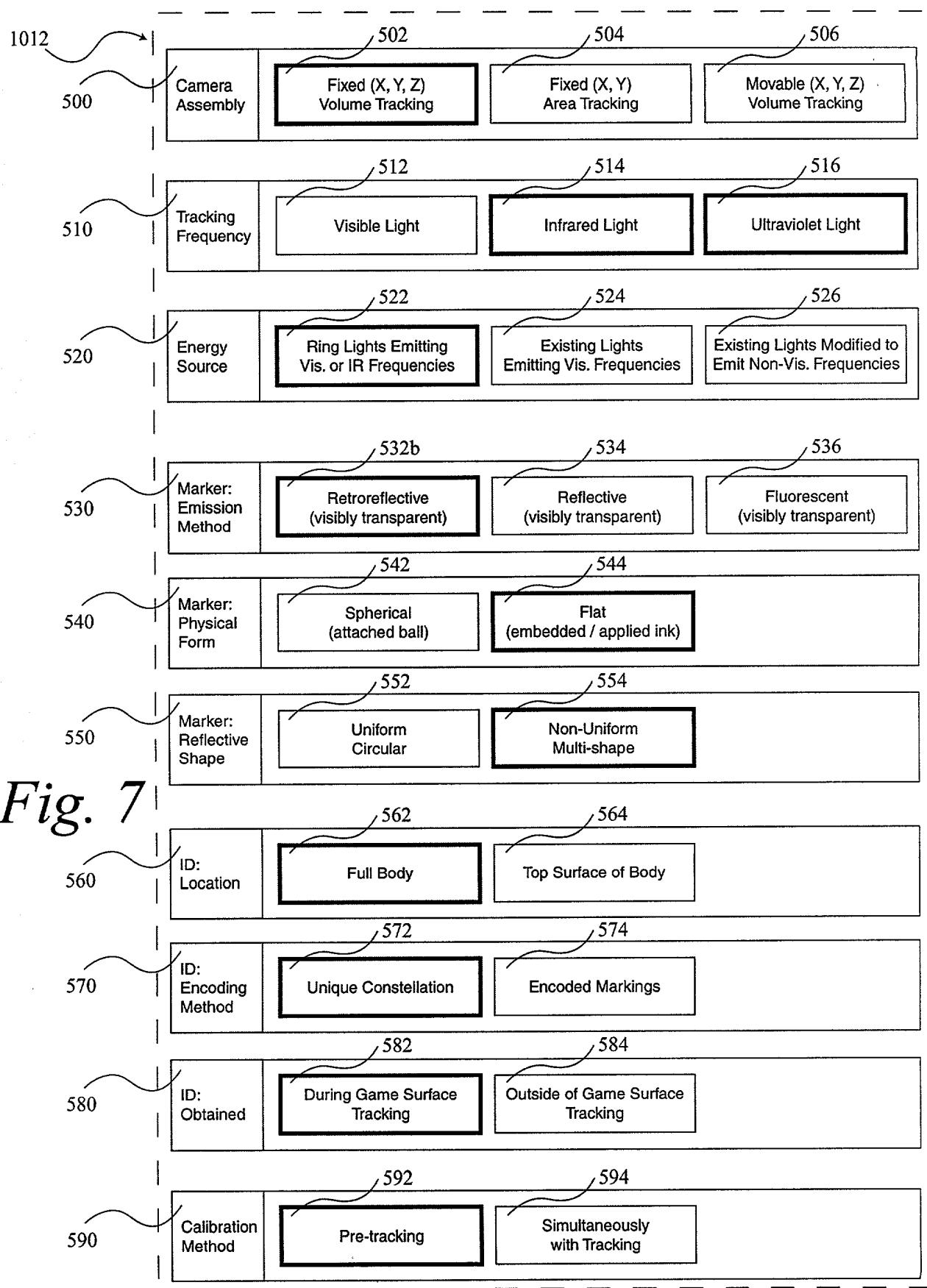


Fig. 6





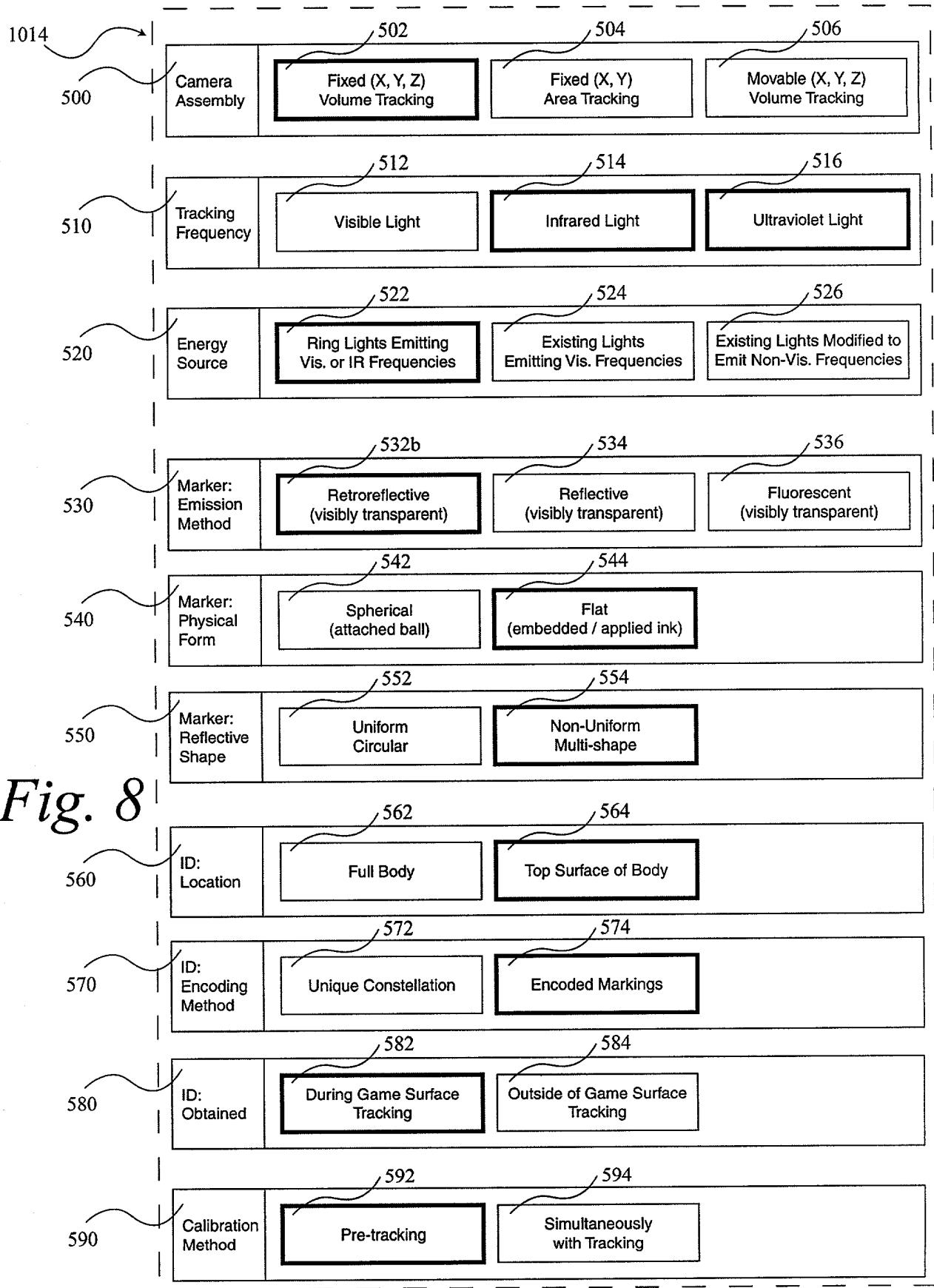
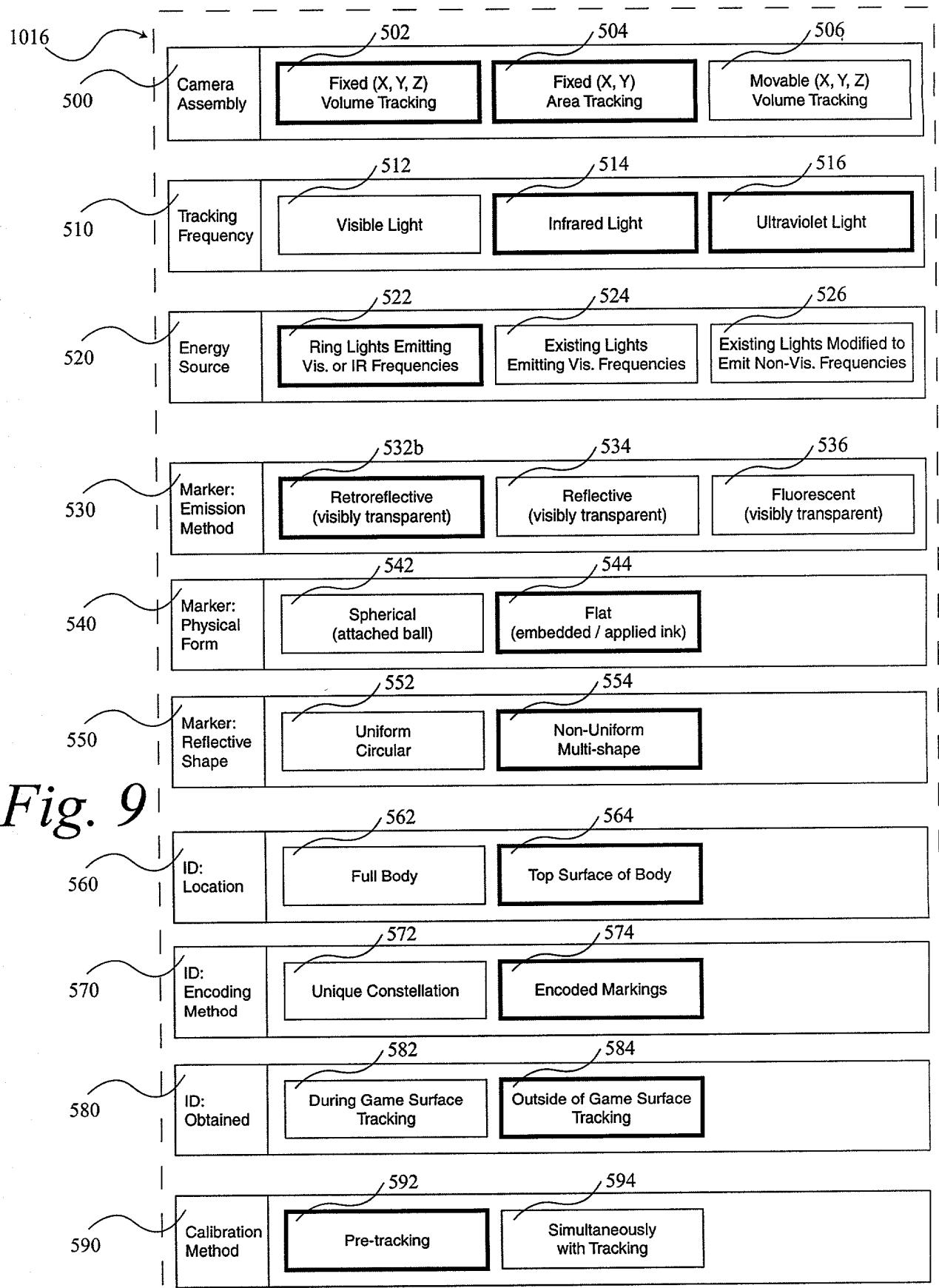


Fig. 8



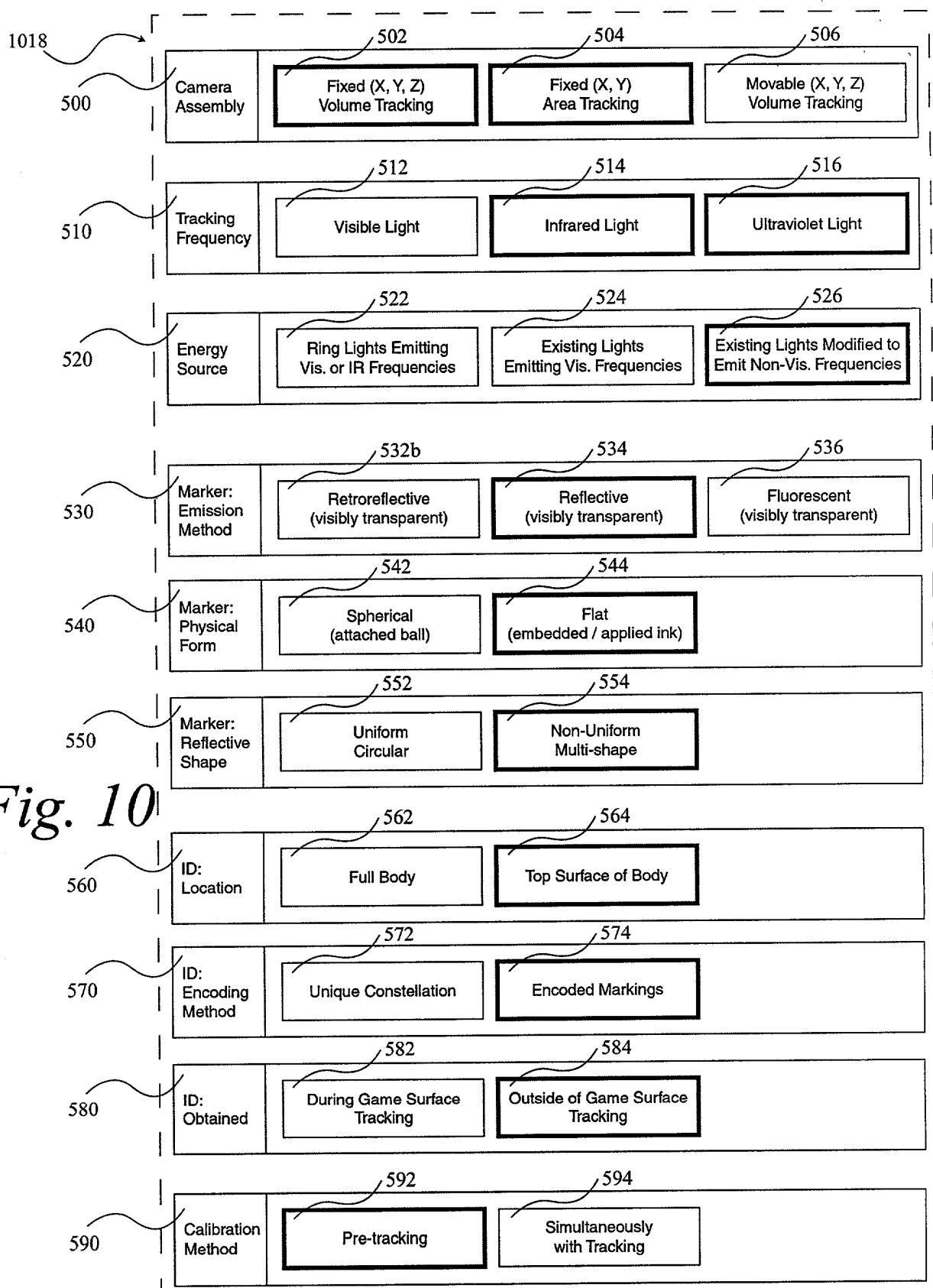


Fig. 10

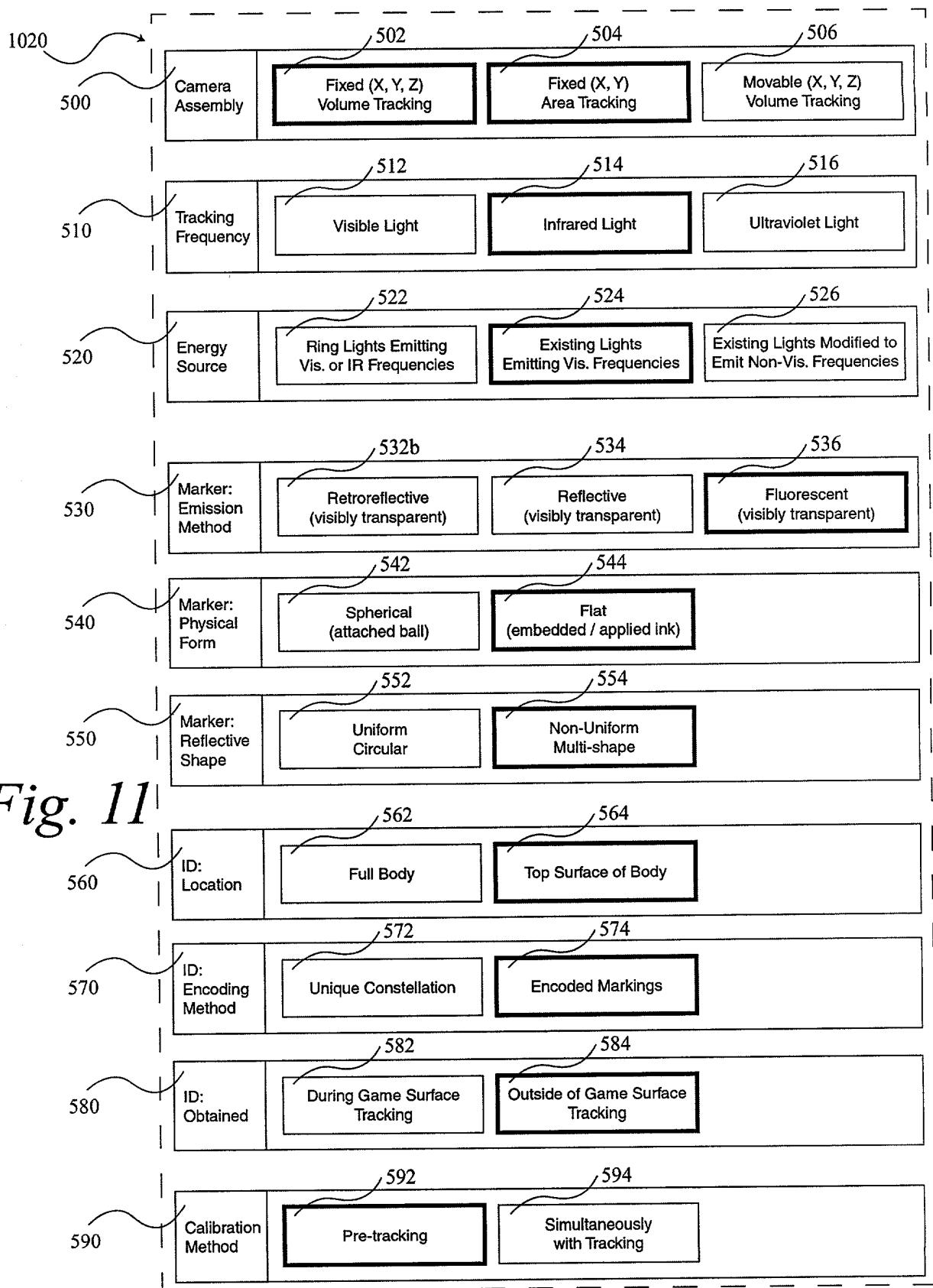


Fig. 11

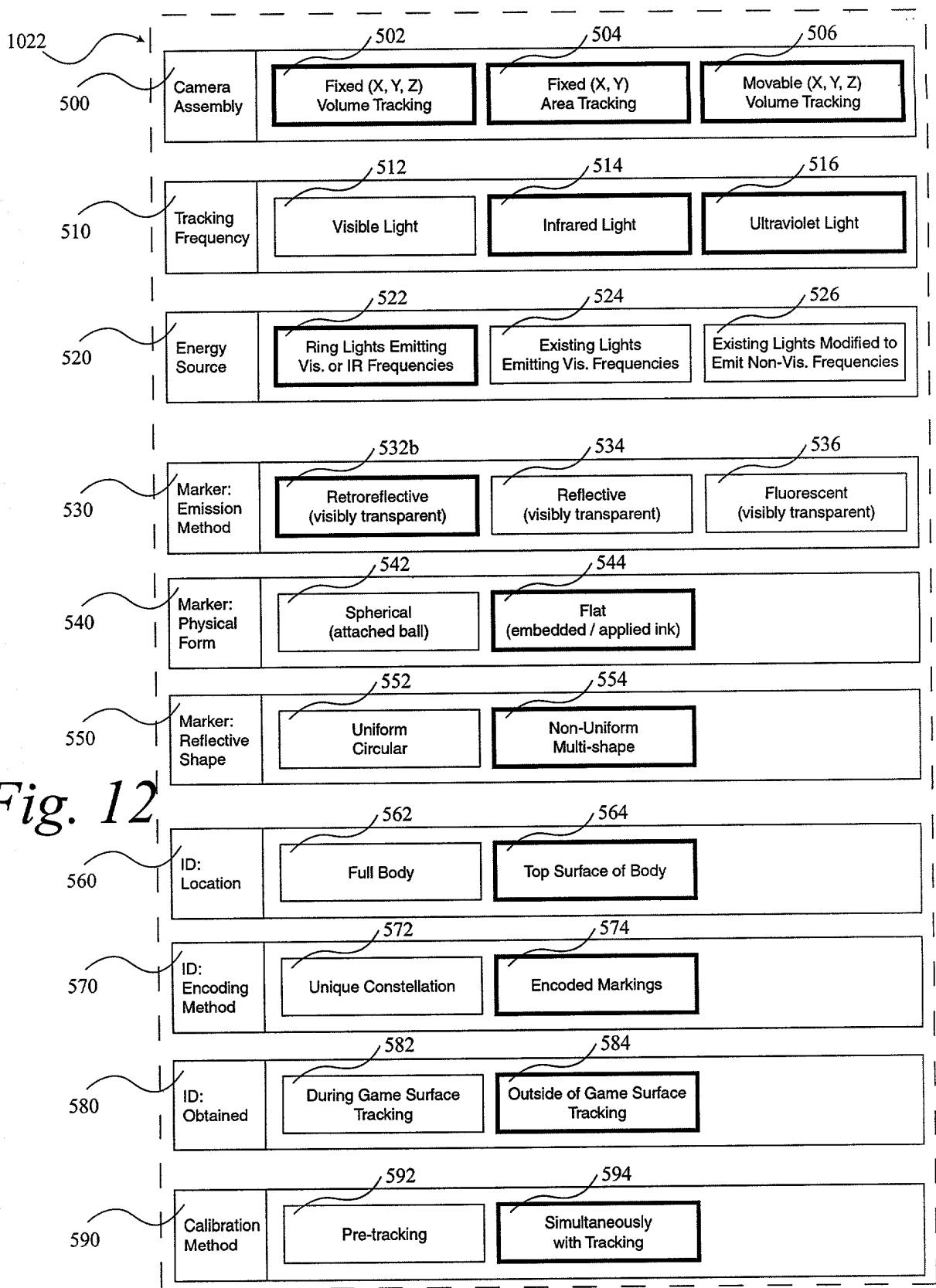


Fig. 12

Fig. 13a

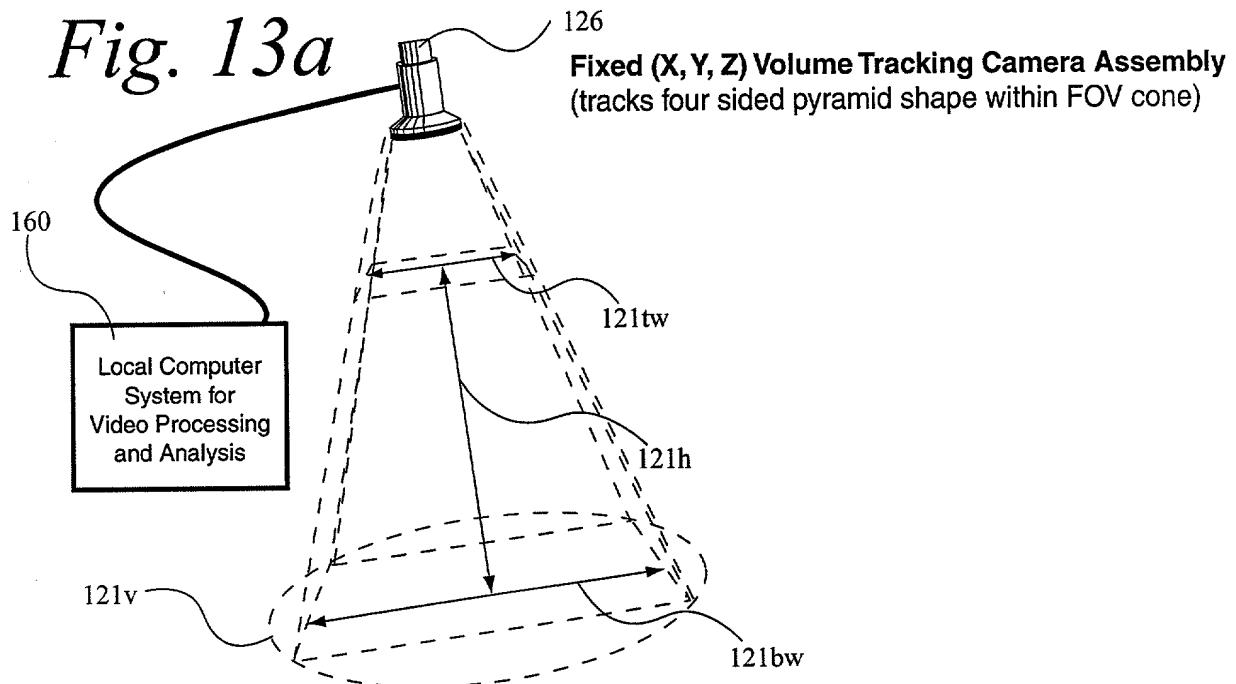
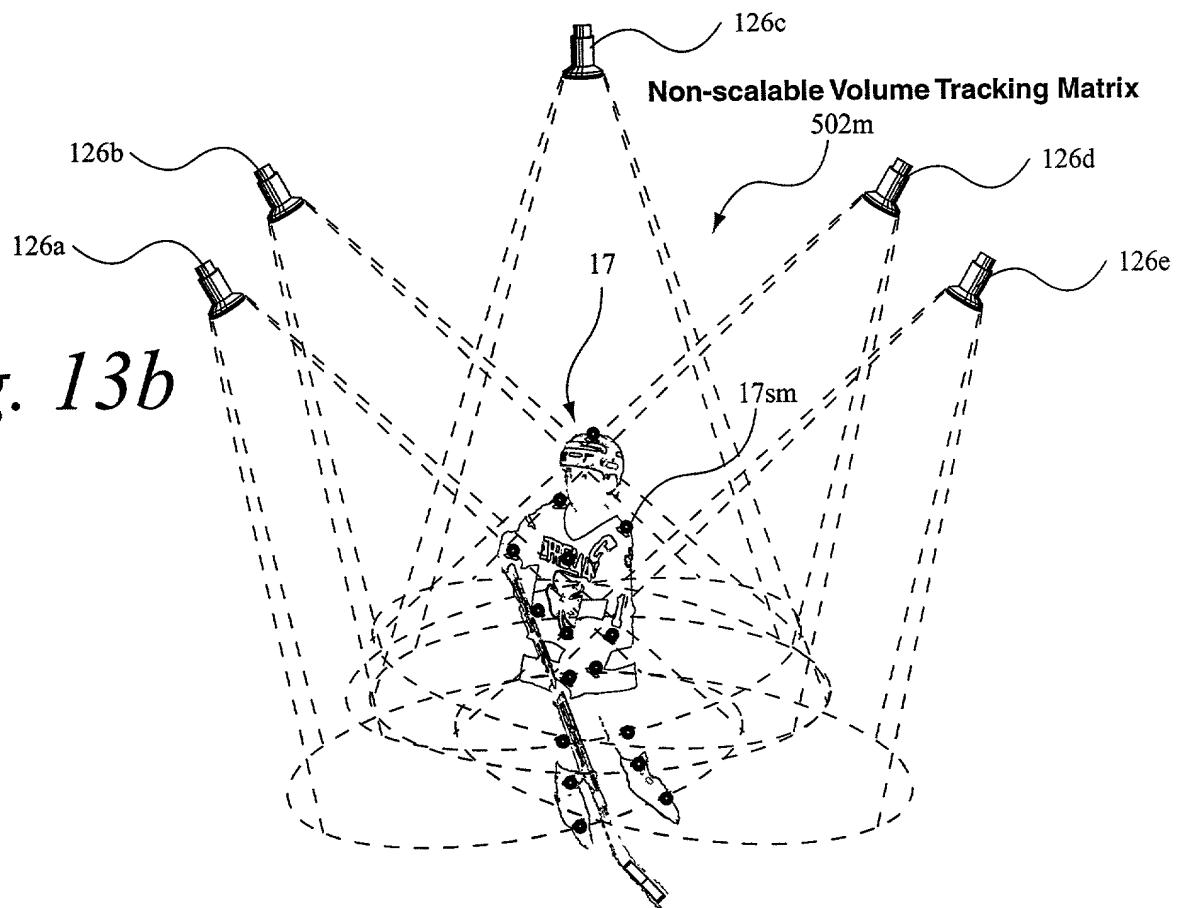
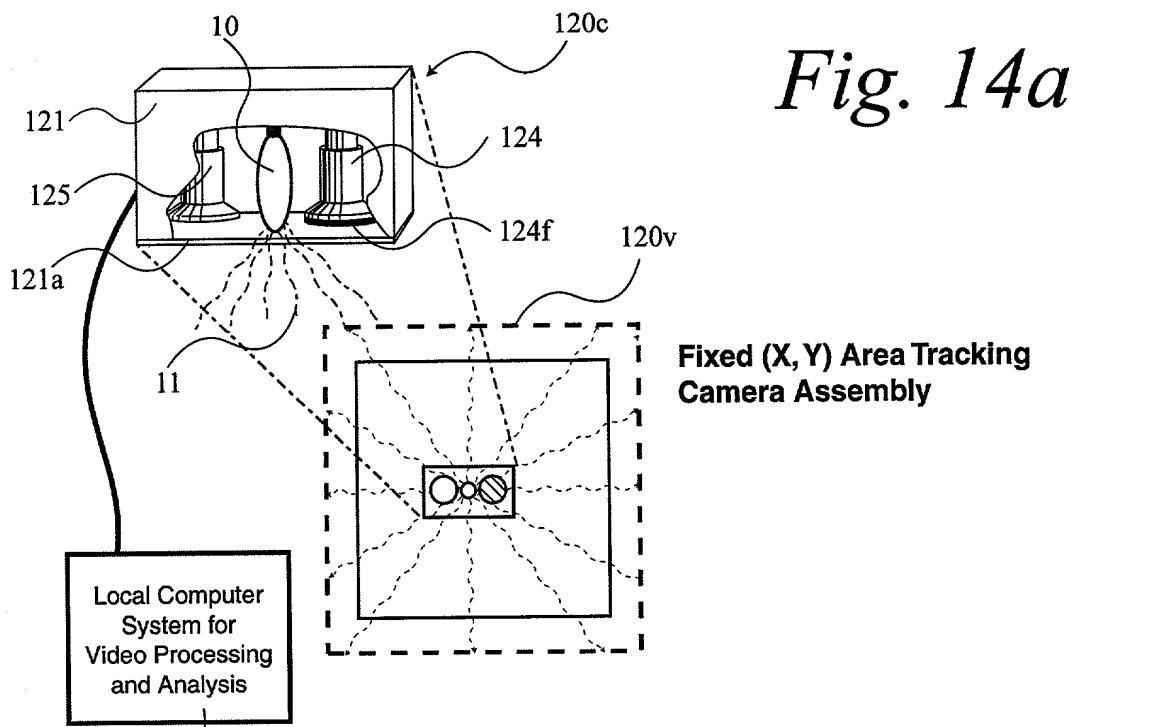
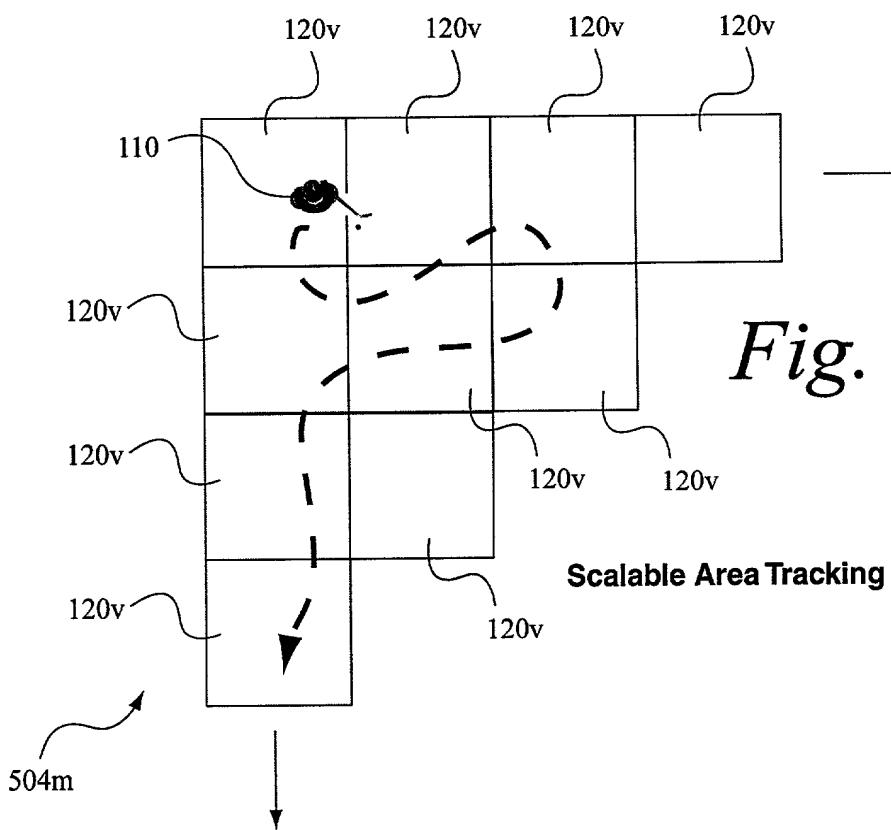


Fig. 13b





Fixed (X, Y) Area Tracking Camera Assembly



Scalable Area Tracking Matrix

Fig. 15a

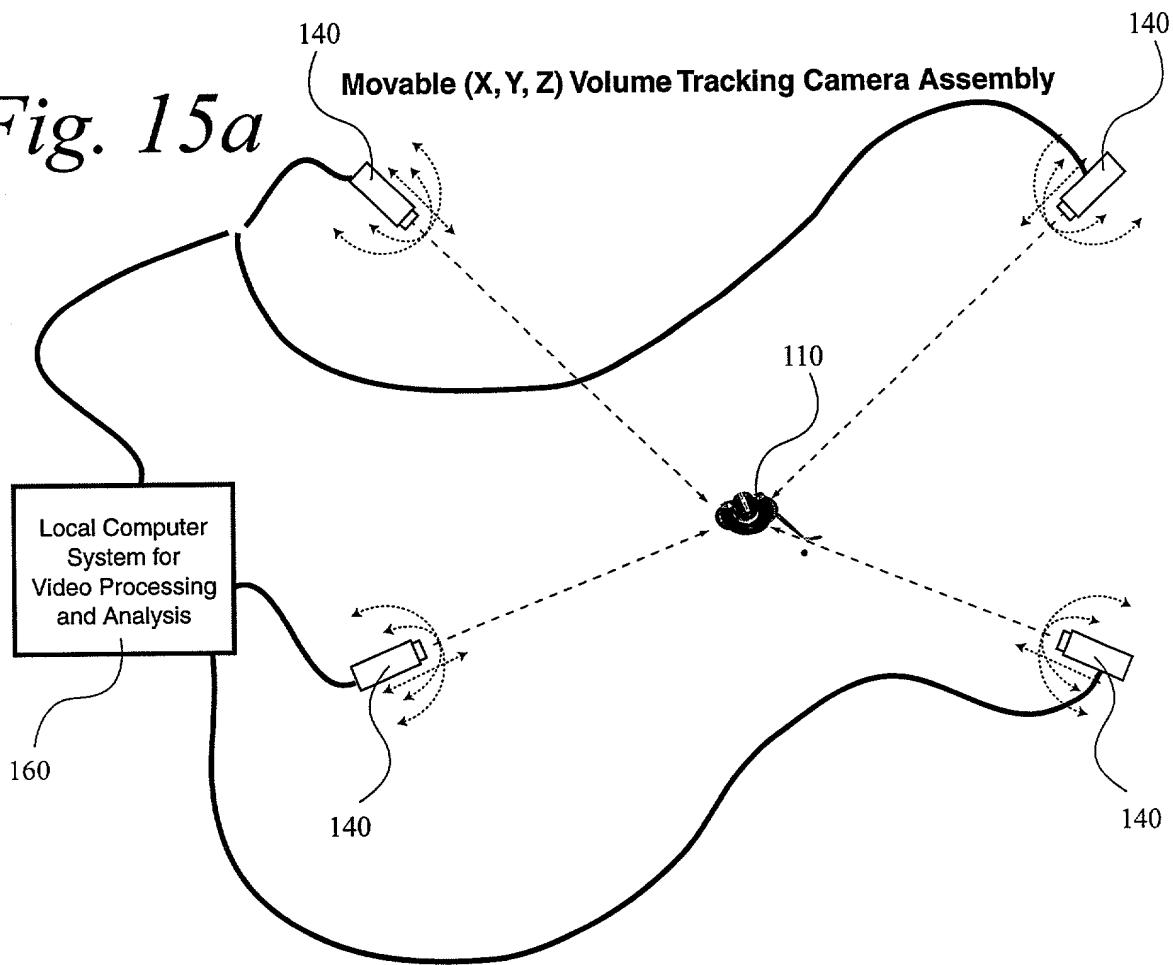


Fig. 15b

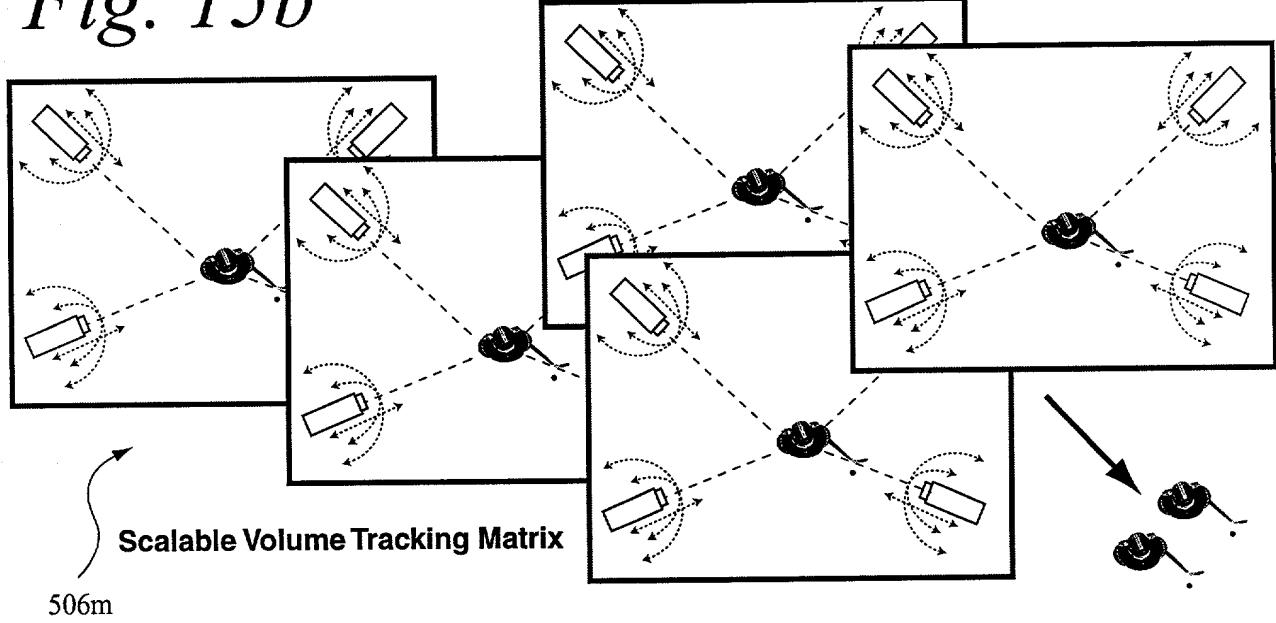


Fig. 16a

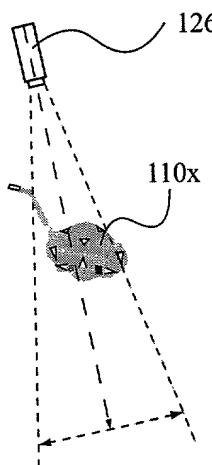
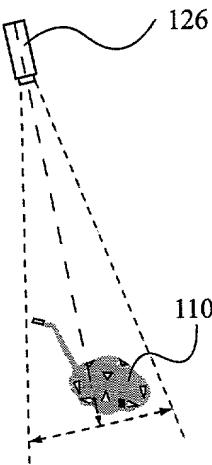
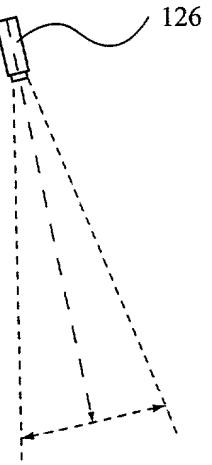
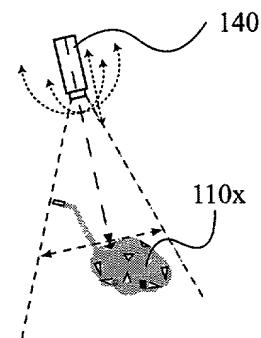
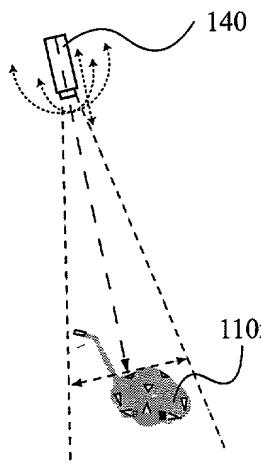
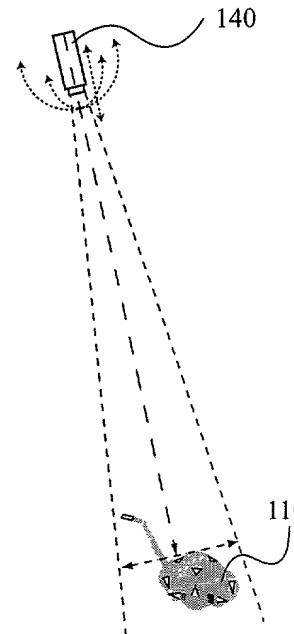
	Player at close range	Player at mid-range	Player at far range
Fixed (X, Y, Z) Volume Tracking Cameras			
Movable (X, Y, Z) Volume Tracking Cameras			

Fig. 16b

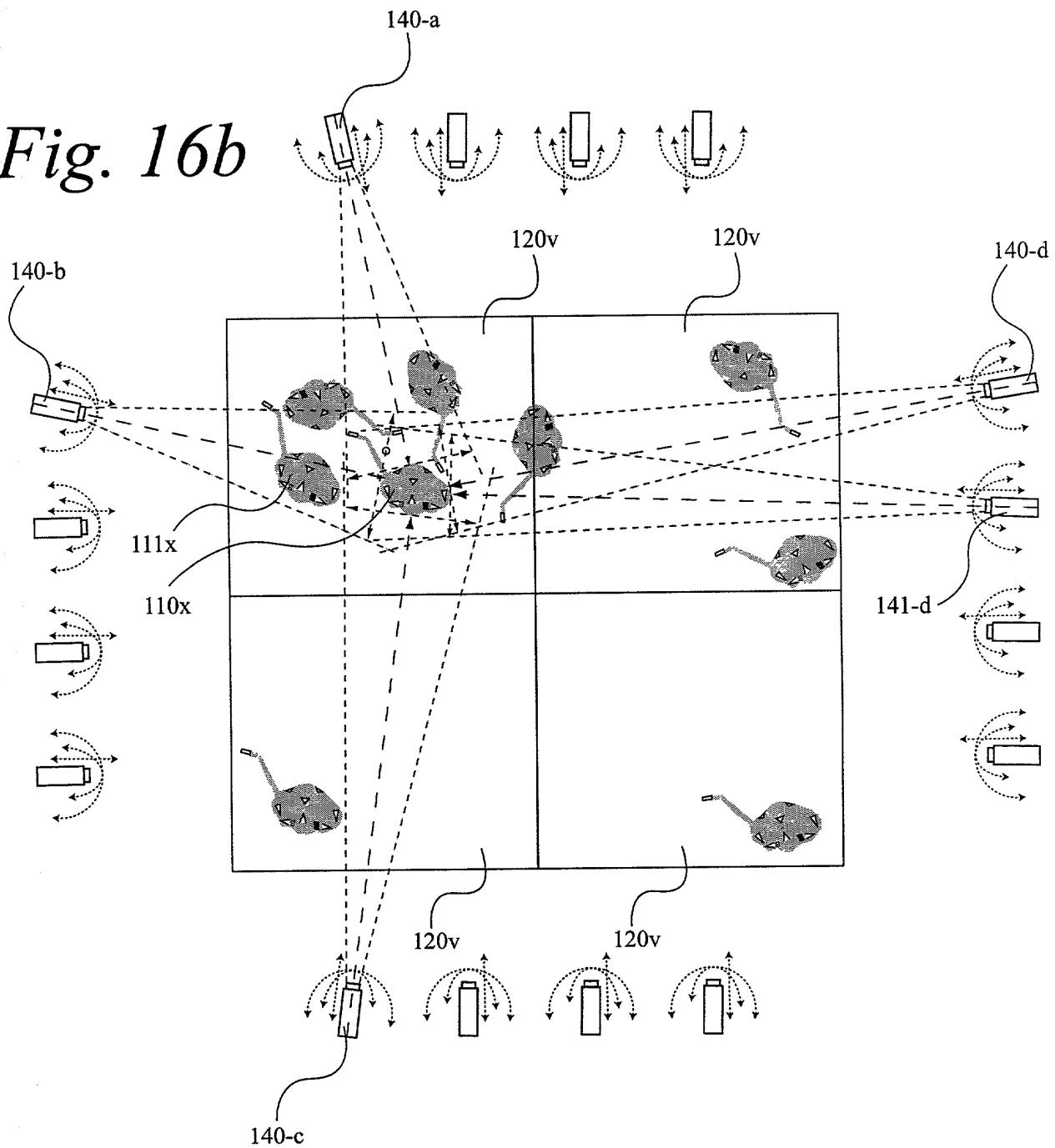


Fig. 17

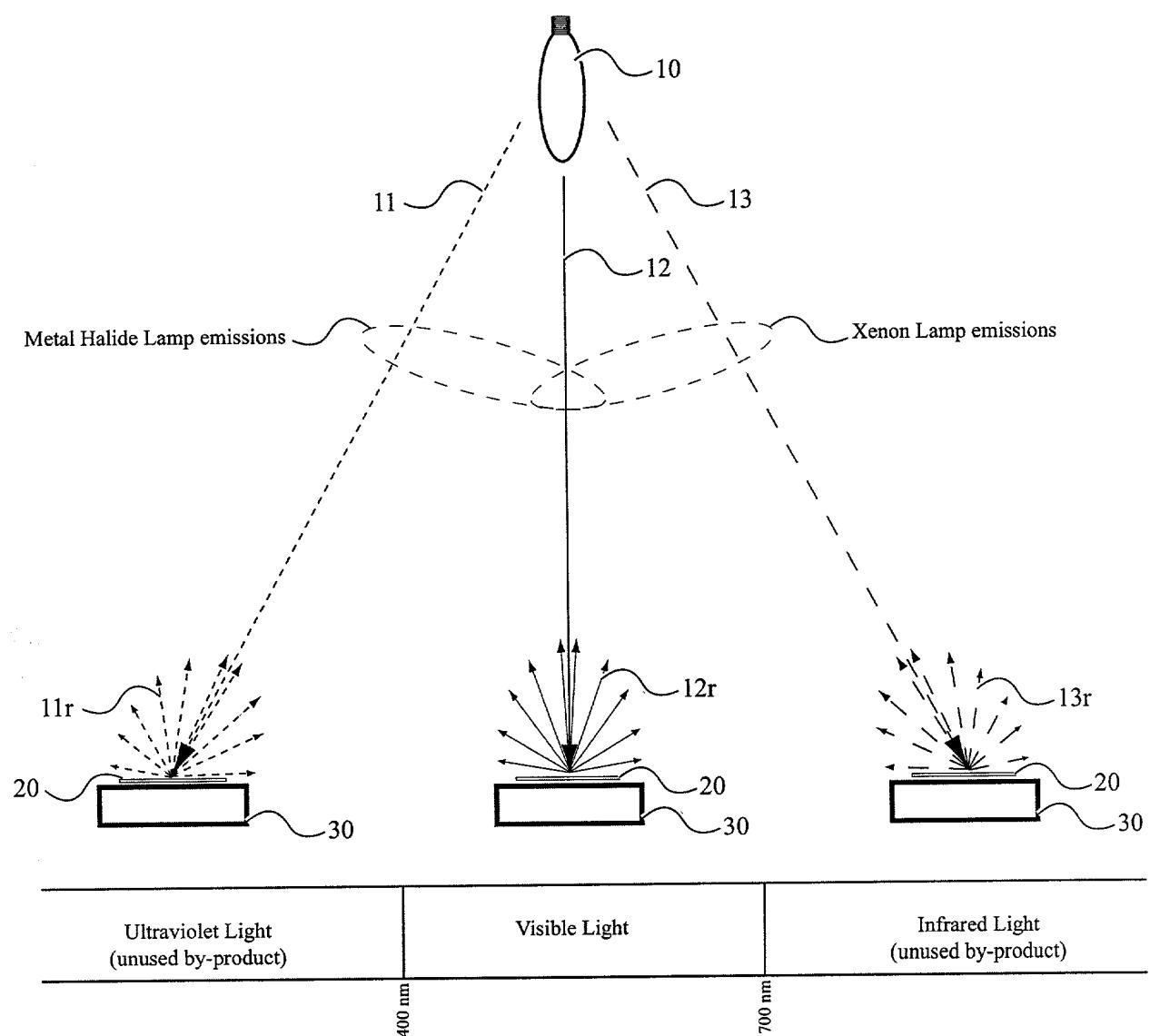


Fig. 18a

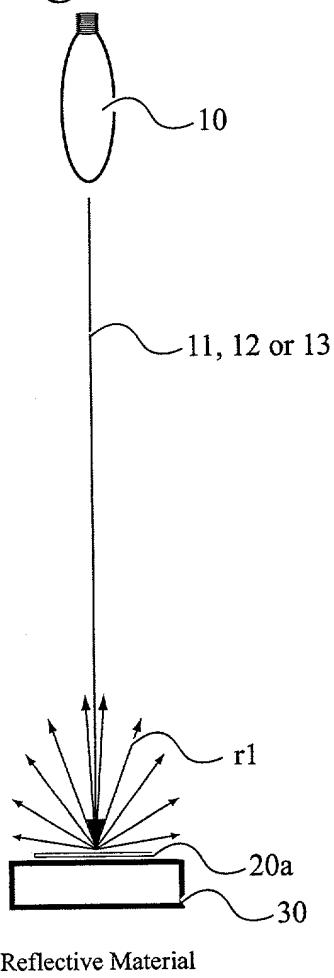


Fig. 18b

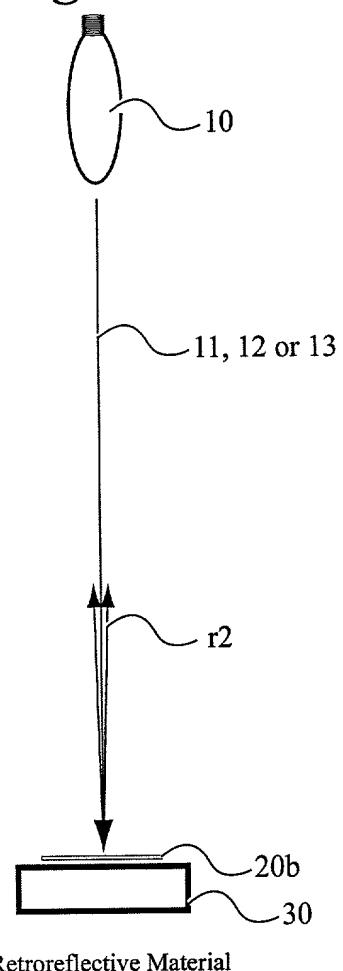


Fig. 18c

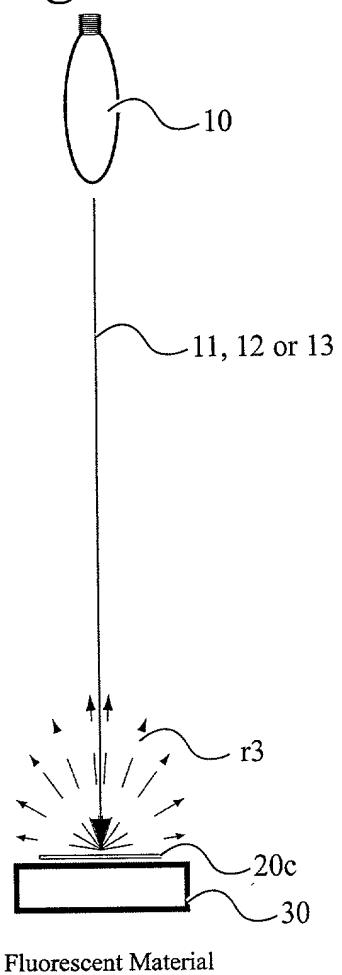
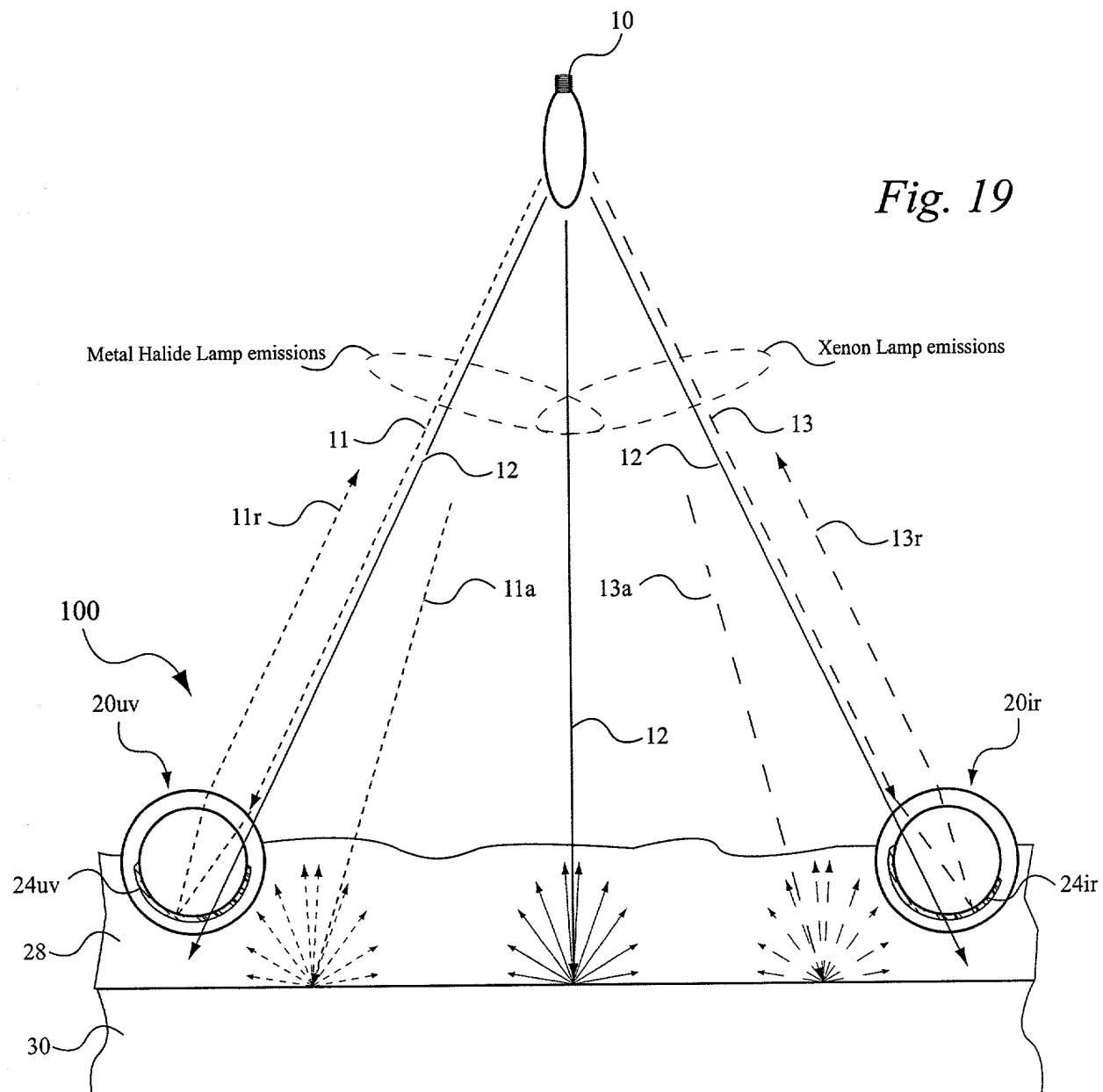


Fig. 19



Ultraviolet Light
(used to illuminate object tracking
markers for machine vision system)

Visible Light
(used to illuminate playing
venue for audience)

Infrared Light
(used to illuminate object tracking
markers for machine vision system)

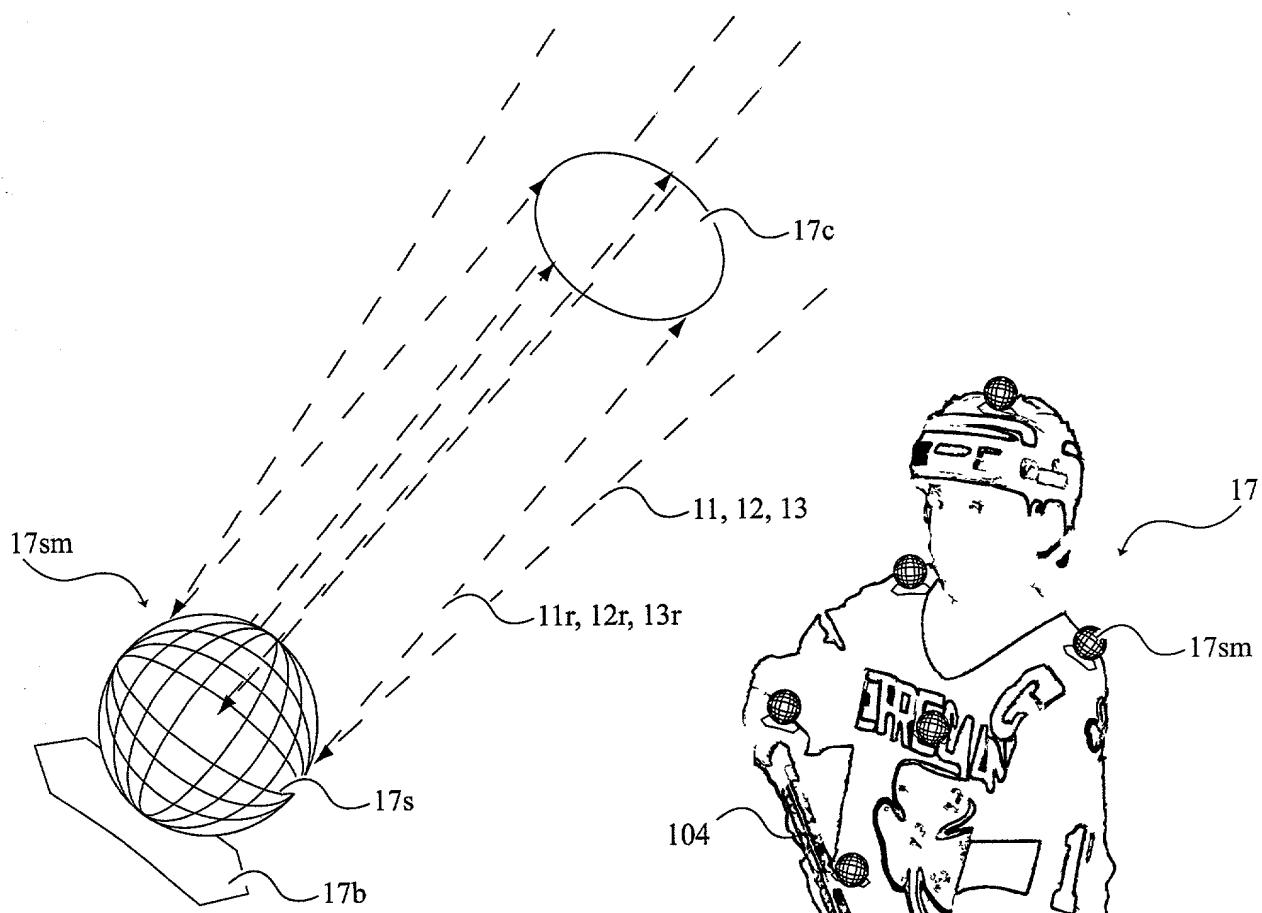


Fig. 20a

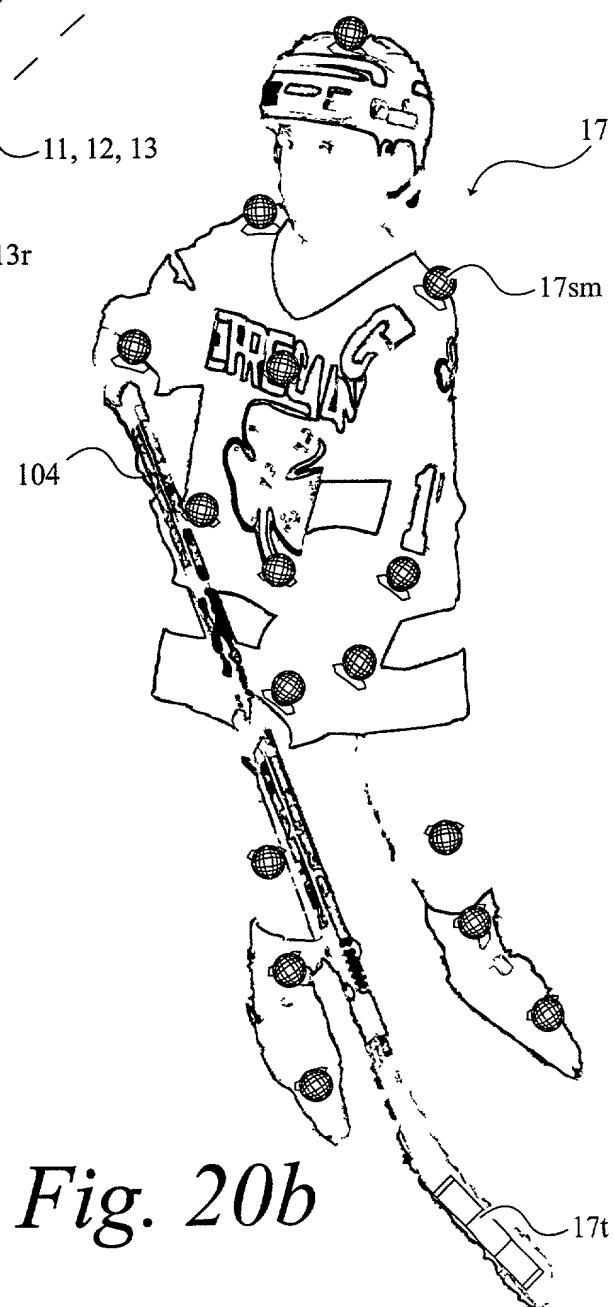
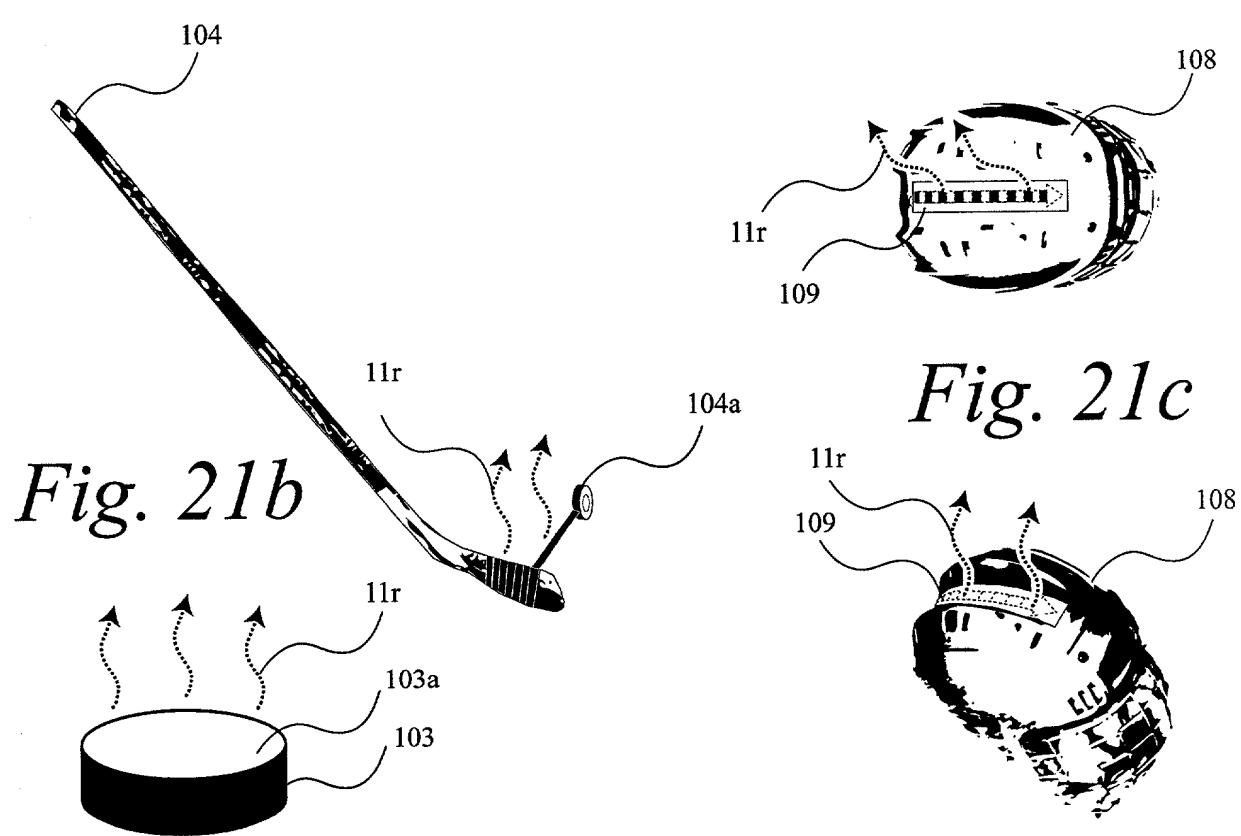
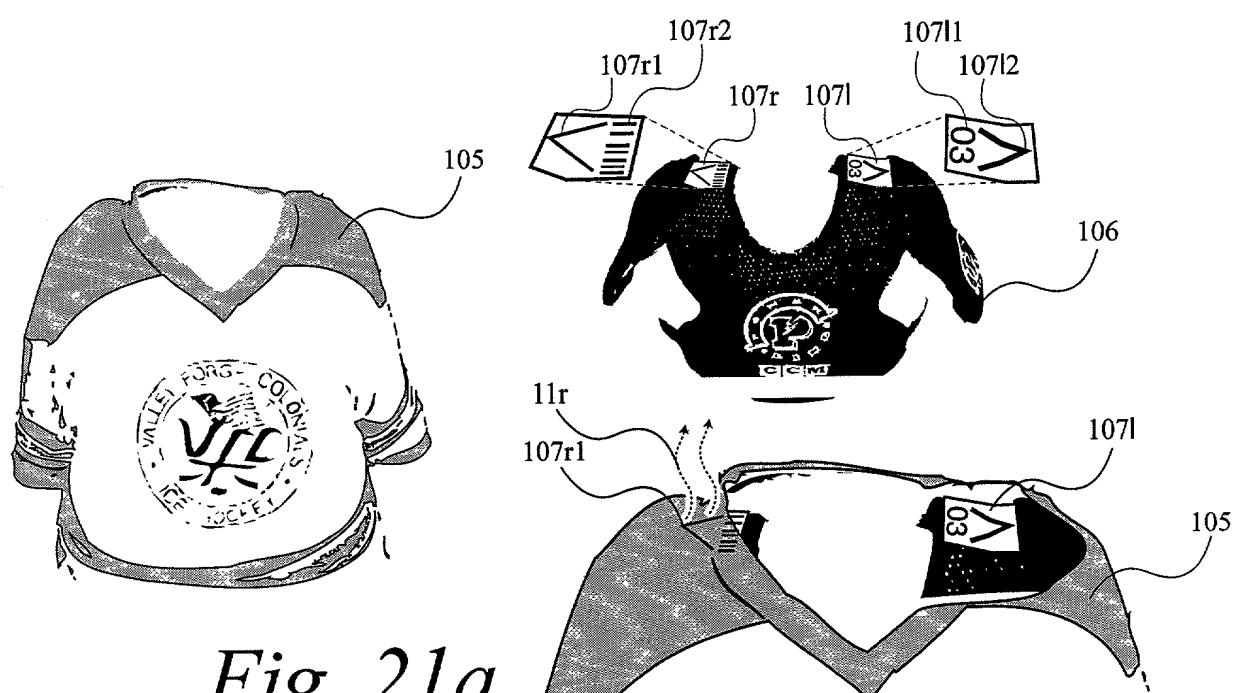
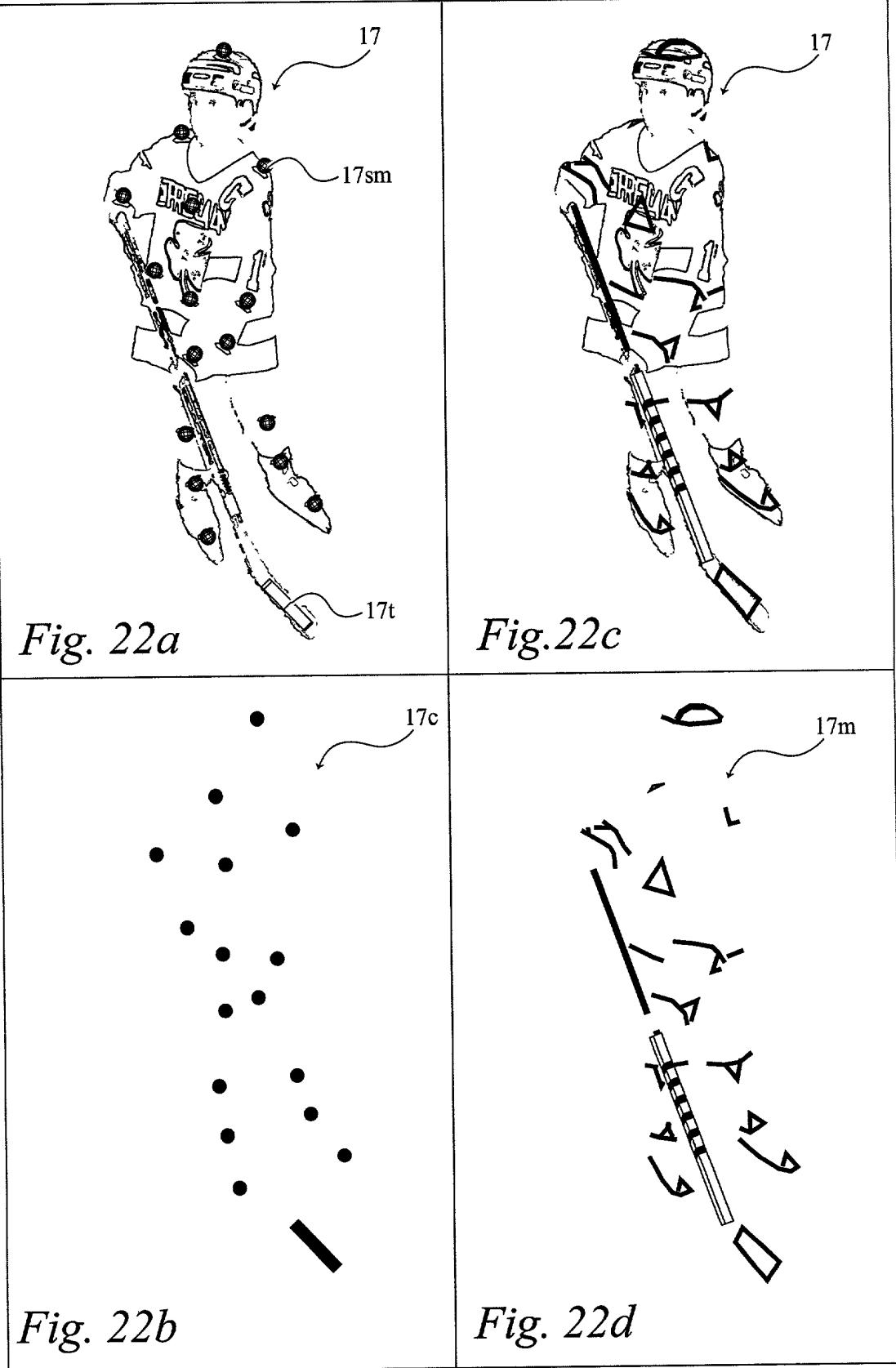


Fig. 20b





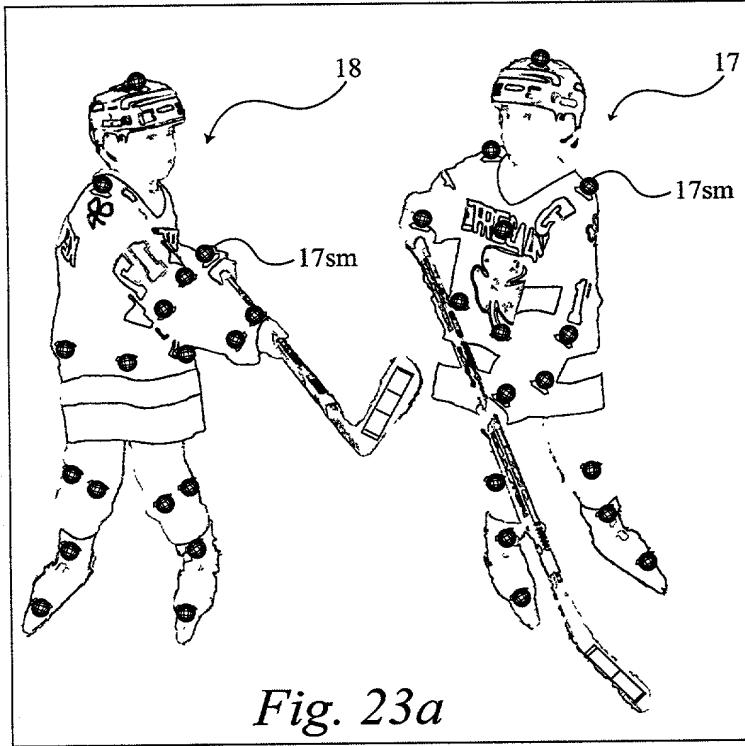


Fig. 23a

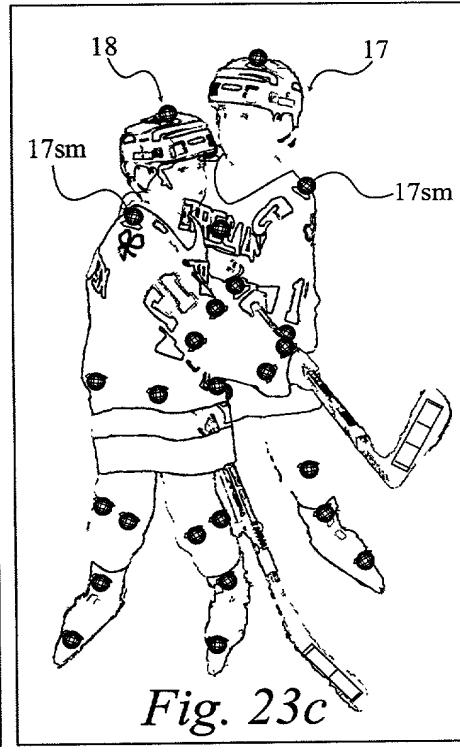


Fig. 23c

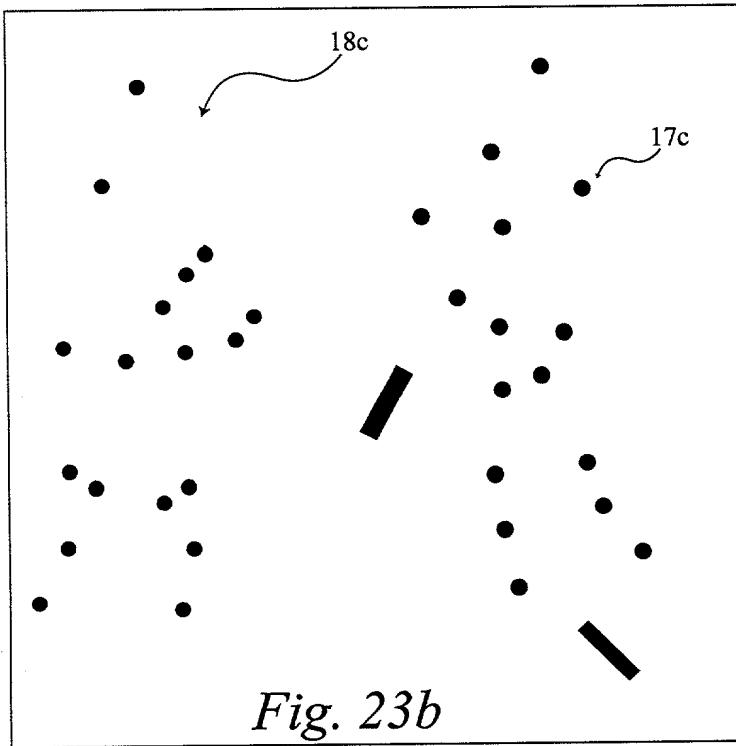


Fig. 23b

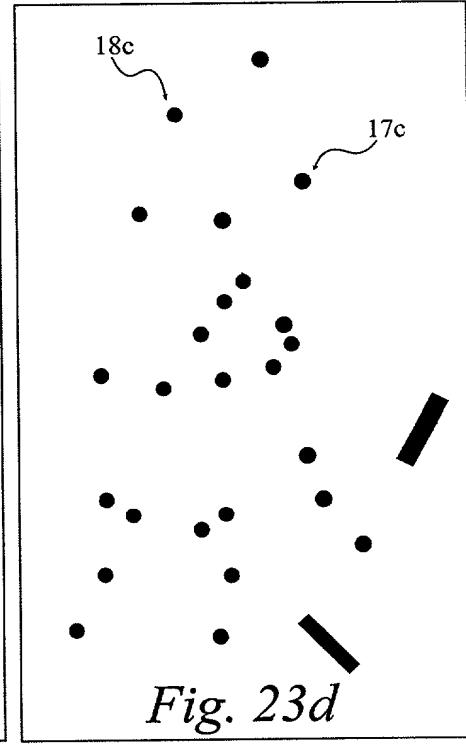


Fig. 23d

Fig. 24

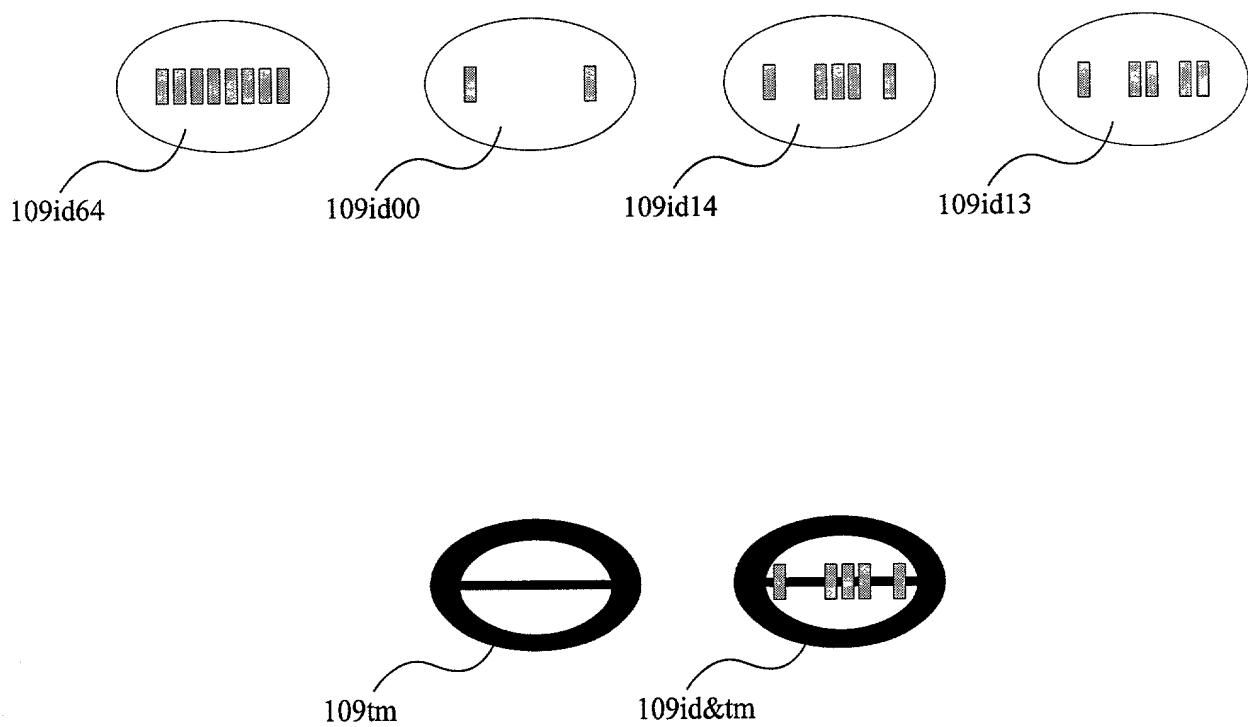
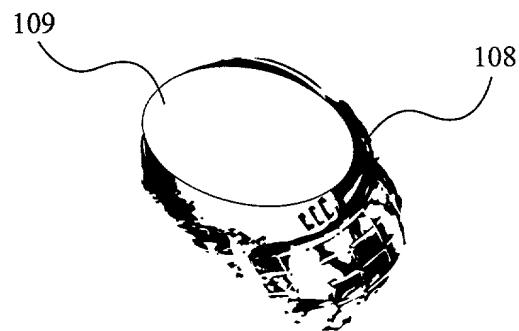


Fig. 25

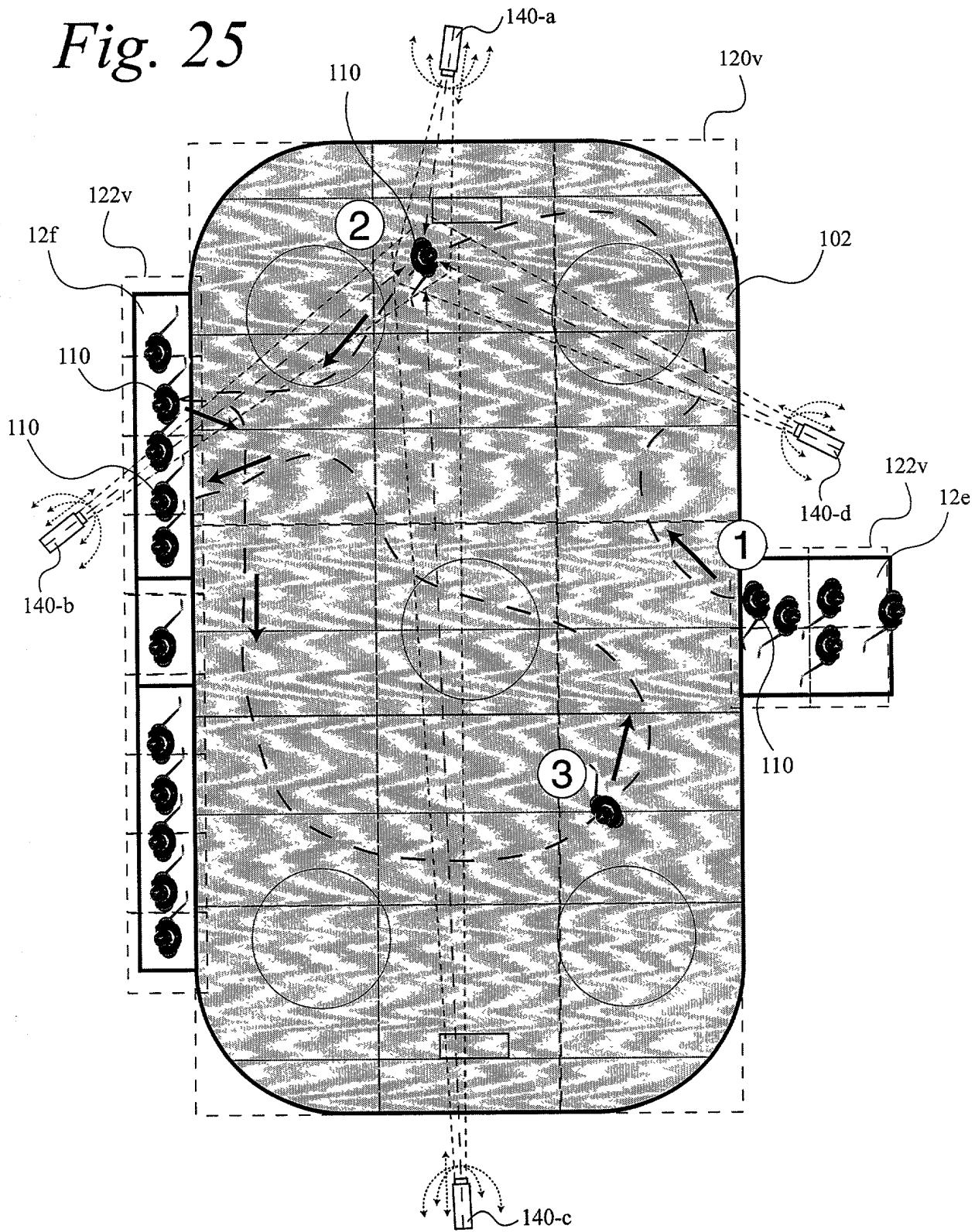
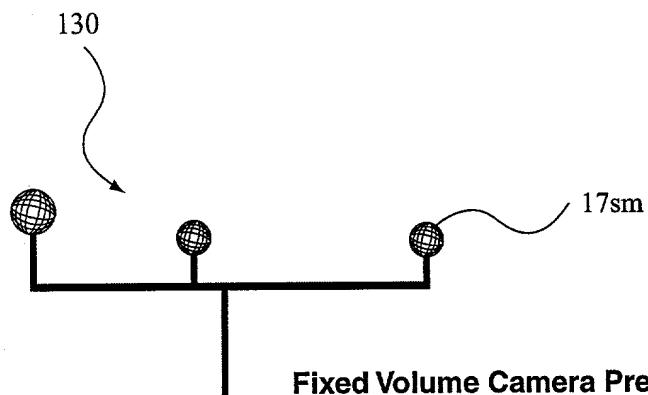


Fig. 26a



Fixed Volume Camera Pre-tracking Calibration

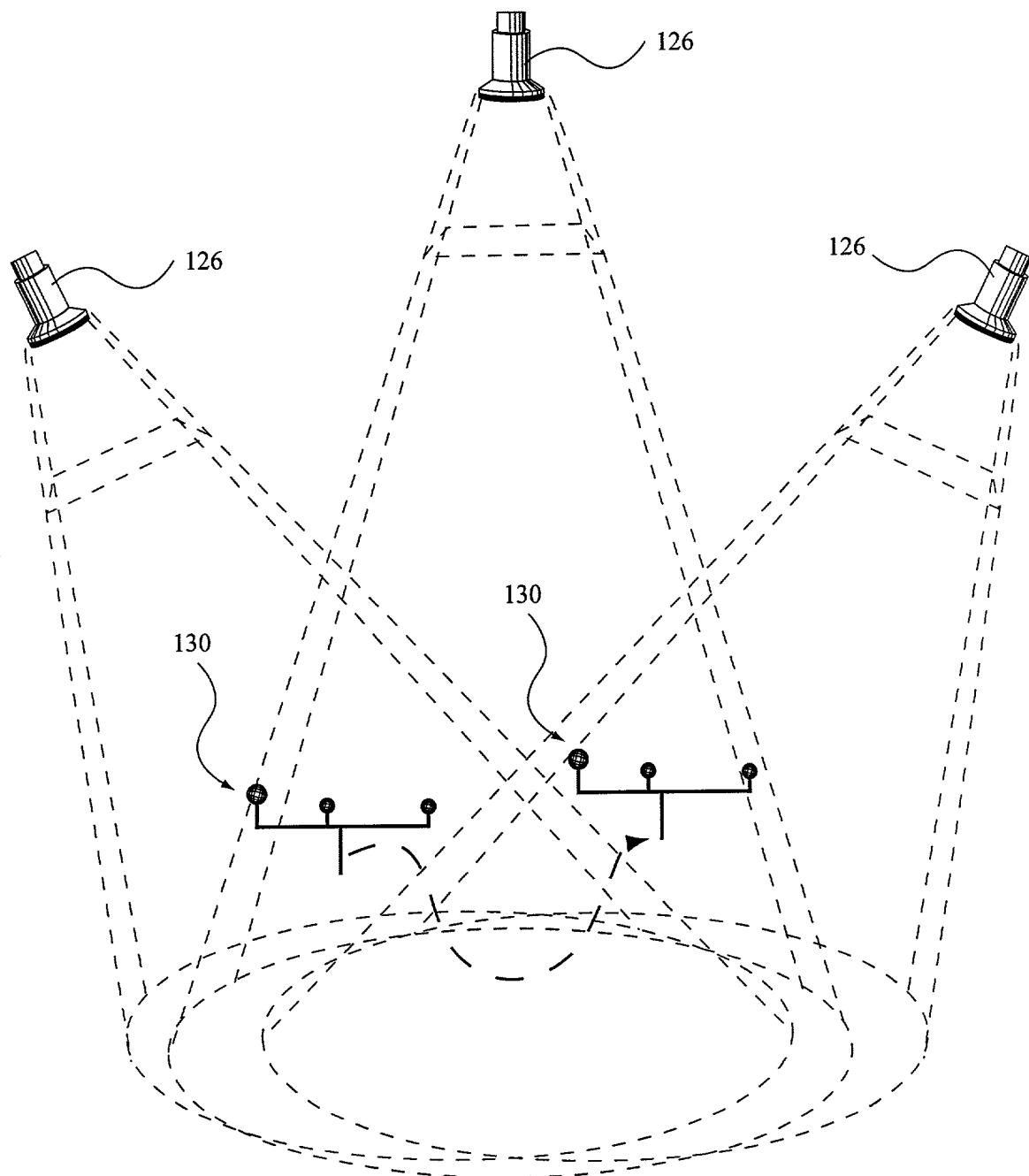


Fig. 27b

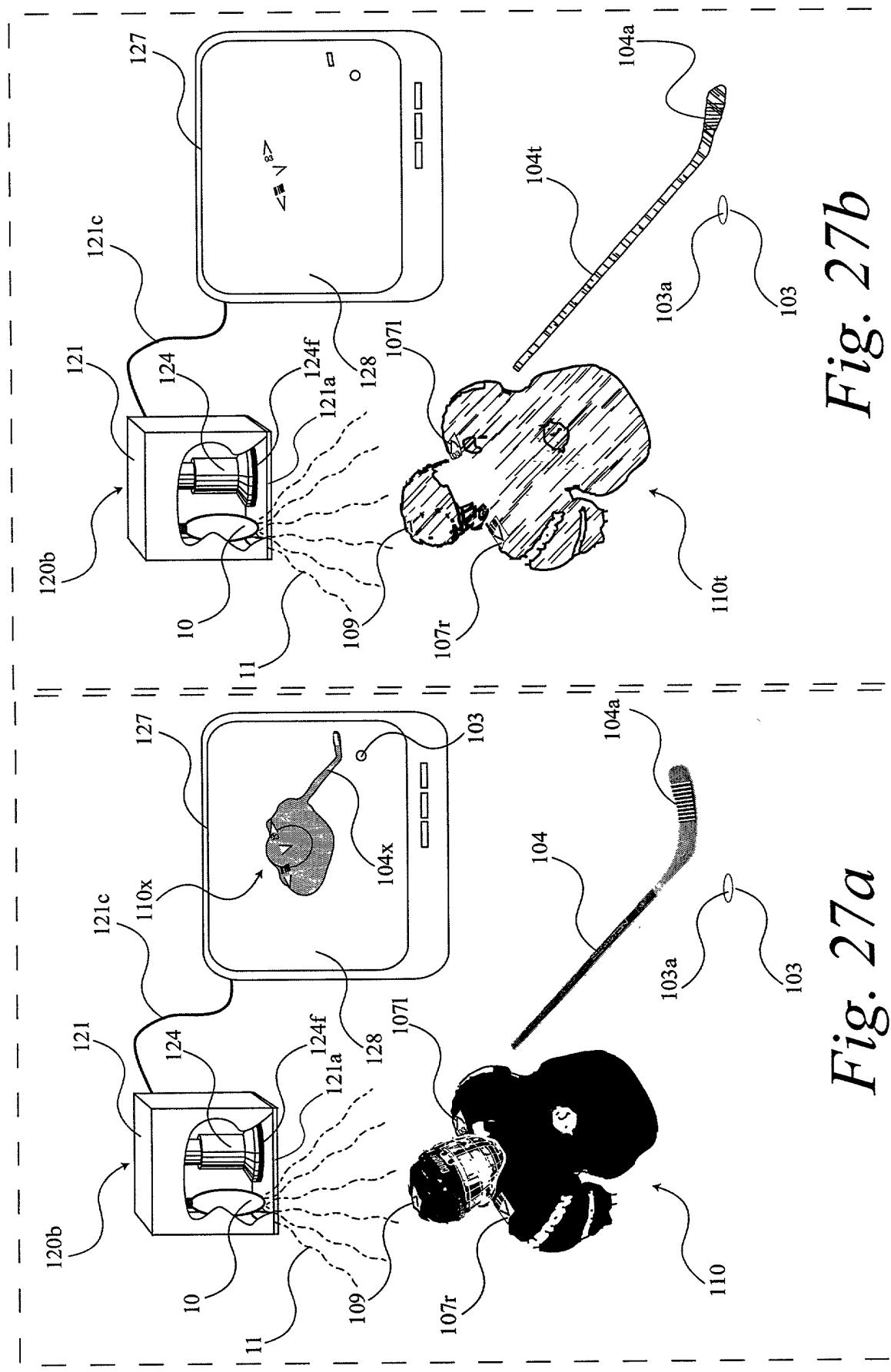


Fig. 27a

Fig. 28a

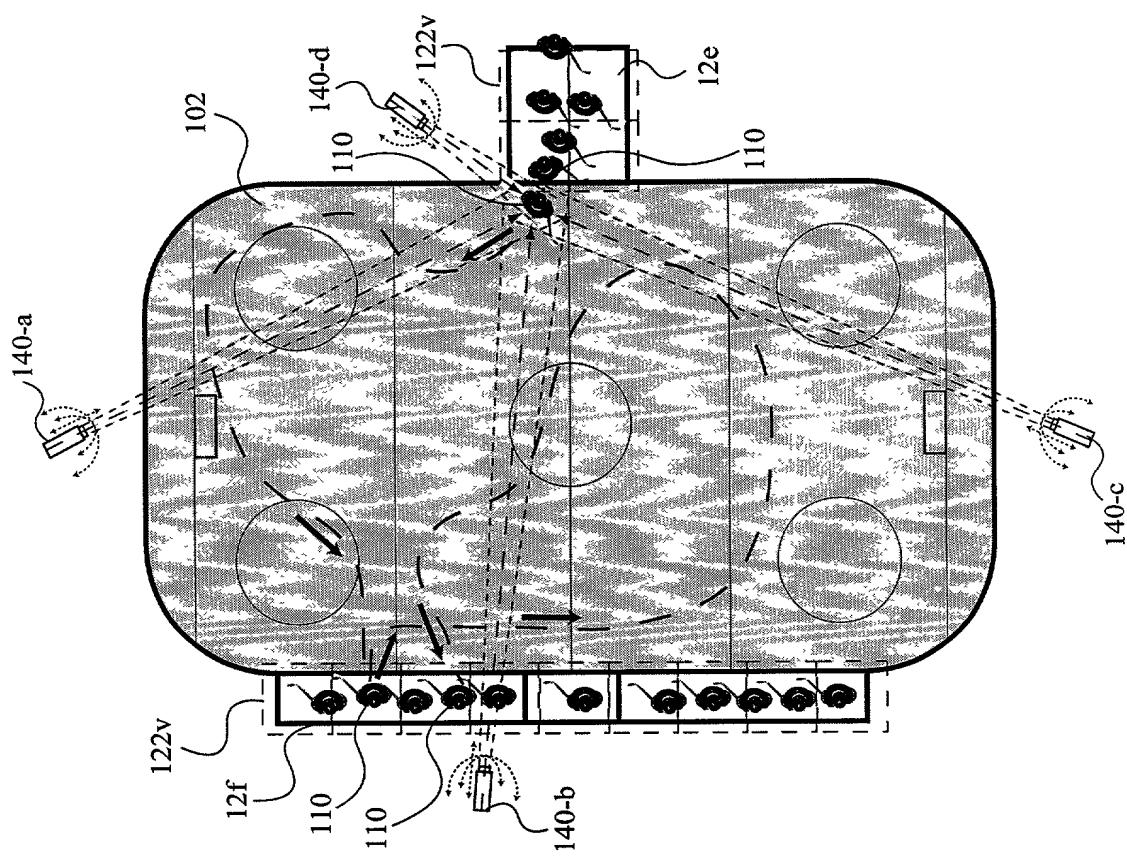
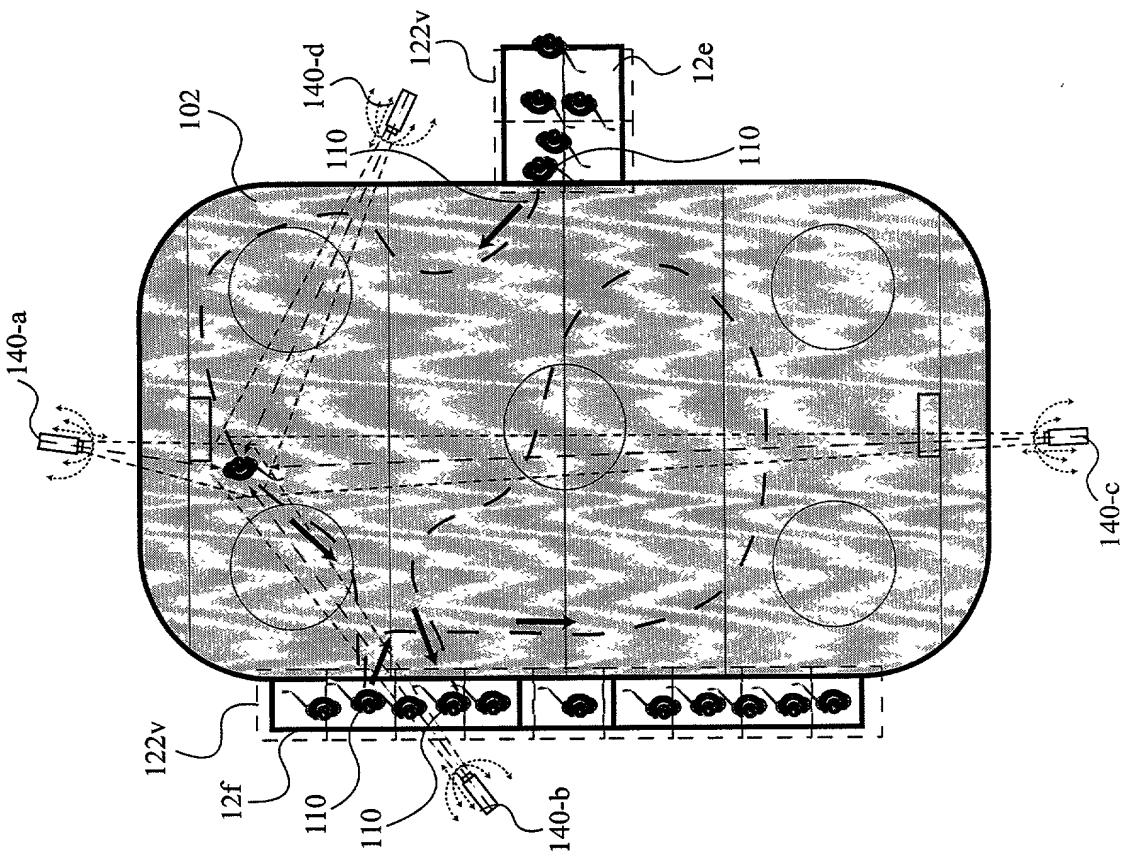


Fig. 28b



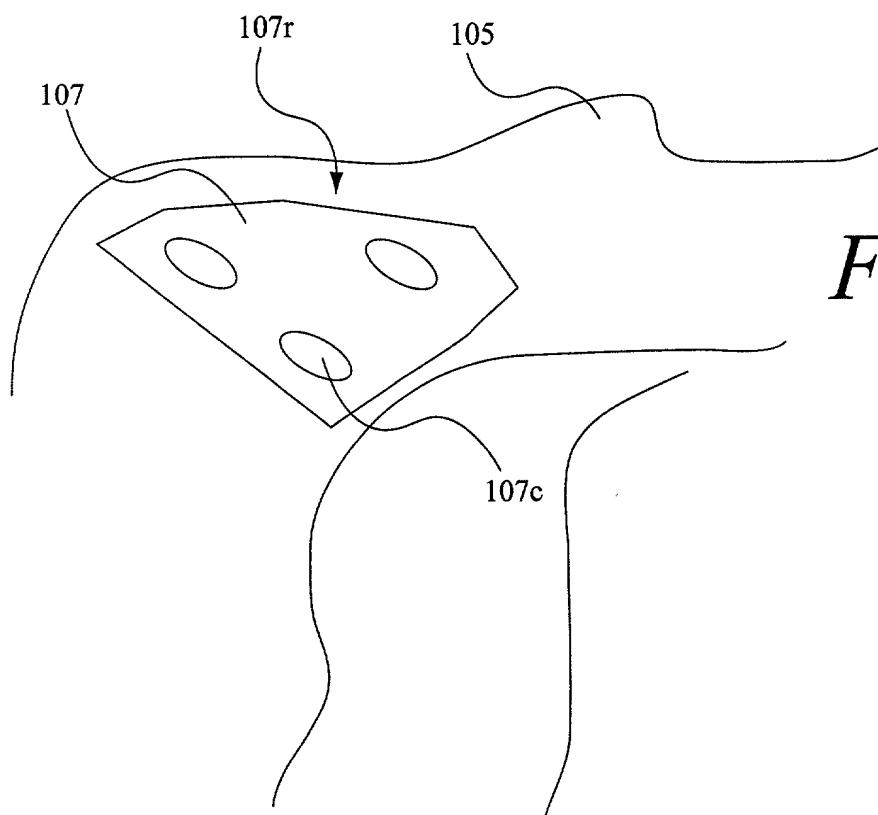


Fig. 29a

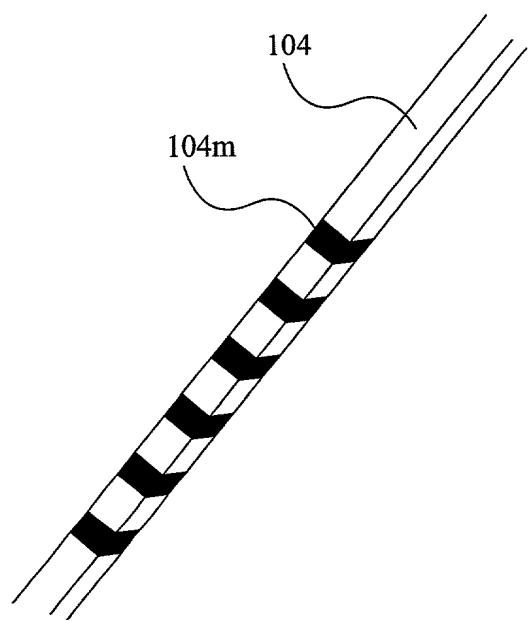


Fig. 29b

Fig. 30

